

CÔNG TY CP DƯỢC LIỆU TRUNG ƯƠNG 2

CỘNG HÒA XÃ HỘI CHỦ NGHĨA VIỆT NAM Độc lập – Tự do – Hạnh phúc

số: 4058 /1

/DL2-TBV

TP. Hồ Chí Minh ngày 19 tháng 8 năm 2024

V/v: Thông báo thay đổi màu sắc và thành phần vỏ nang Lipanthyl 200M

Kính gửi: - SỞ Y TẾ TỈNH NINH THUẬN - TRUNG TÂM Y TẾ THÀNH PHỐ PHAN RANG-THÁP CHÀM

Trước tiên, Công ty Cổ phần Dược Liệu Trung Ương 2 xin cám ơn sự hỗ trợ và hợp tác của Quý Khách hàng đối với công ty chúng tôi. Trong nhiều năm liền, các sản phẩm của công ty chúng tôi đã được Quý Khách hàng tin tưởng và sử dụng để điều trị cho bệnh nhân.

Căn cứ Quyết định số 08/QĐ-SYT ngày 05/01/2024 của Giám đốc Sở Y Tế Ninh Thuận về việc phê duyệt kết quả lựa chọn nhà thầu Gói số 01: Gói thầu Thuốc Generic và vắc xin năm 2023.

Công ty chúng tôi đã trúng thầu và đang cung ứng đến Quý khách hàng sản phần Lipanthyl 200M (Feno; brate 200mg; dạng bào chế: viên nang cứng), số đặng ký VN-17205-13 của nhà sản xuất Astrea Fontaine, chi tiết như sau:

Mã hàng	Vên thương mại	Hoạt chất- Nổng độ - Ham lượng	Dạng bào chế- Đường dùng	Quy cách đóng gói	SĐK hoặc GPNK	Cơ sở sản xuất-Nước sản xuất	Đơn vị tính	Số lượng trúng thầu và phân bổ
G10525	Lipanthyl 200M	Fenofibrat- 200mg	Viên nang cứng- Uống	Hộp 2 ví x 15 viên	VN- 17205- 13	Recipharm Fontaine- Pháp	Viên	10.000

Chúng tôi trân trọng thông báo có sự thay đổi trong màu sắc và hình thức viên nang như sau:

Viên nang đang lưu hành	Viên nang sẽ thay đổi
Viên nang màu cam và có chữ "Lipanthyl 200M", "Sản xuất tại Pháp"	Viên nang màu cam đất và không có chũ

Nội dung thay đổi trên đã được Cục quản lý dược phê duyệt ngày 28/6/2023 công văn số 6852/QLD-ĐK cho phép thay đổi tiêu chuẩn chất lượng dược chất, thay đổi qui trình sản xuất thuốc, thay đổi màu sắc và thành phần vỏ nang, cập nhật phương pháp phân tích tiêu chuẩn chất lượng thuốc.

Thay đổi này không ảnh hưởng chất lượng thuốc, thay đổi này sẽ được áp dụng cho các lô hàng được nhập khẩu về Việt Nam trong tháng 8/2024. Tuy nhiên trong giai đoạn chuyển giao sẽ có sản phẩm với cả hai hình thức viên nang được lưu hành trên thị trường.

Công ty chân thành cảm on sự hợp tác của Quý khách hàng.

Trân trọng kính chào./.

Nơi nhận:

- Như trên;
- Luu VT, TBV

Tài liệu đính kèm:

1. Công văn 6852/QLD-DK

TL. TỔNG GIÁM ĐỐC

CÔNG TY-CO PHẦN DƯỢC LIỆU TRUNG ƯƠNG 2

GIÁM ĐỐC DỰ ÁN THẦU BỆNH VIỆN Hoàng Văn Phúc



BÔ Y TÉ C QUẢN LÝ DƯỢC

\$6-\\$52 OLD-DK Cổ PHẨN Số VÀ ĐƠC (QLĐ-ĐA Được V/x thay đổi TCCL được chất, thay RUNGÖR QTSX Muốc, thay đổi màu sắc và thành phần vỏ nang, cập nhật PPPT P Hộ c tiến chuẩn chất lượng thuốc

CỘNG HOÀ XÃ HỘI CHỦ NGHĨA VIỆT NAM Độc lập - Tự do - Hạnh phúc

Hà Nội, ngày 28 tháng 6 năm 2023

Kính gửi: Abbott Laboratories (Singapore) Private Limited Dia chi: 3 Fraser street, #23-28 DUO Tower, Singapore 189352. Văn phòng đại diện: Tầng 7, tòa nhà Handi-Resco, 521 Kim Mã, quận Ba Đình, Hà Nội,

Cục Quản lý Dược nhận được hồ sơ số tiếp nhận 858/TĐNN ngày 16/05/2022 và các tài liệu liên quan của Công ty về việc thay đổi tiêu chuẩn chất lượng được chất, thay đổi quy trình sản xuất thuốc, thay đổi màu sắc và thành phần vỏ nang, cập nhật phương pháp phân tích tiêu chuẩn chất lượng thuốc đối với thuốc đã được cấp giấy đăng ký lưu hành.

Căn cứ Thông tư số 08/2022/TT-BYT ngày 05/09/2022 của Bộ trưởng Bộ

Y tế quy định việc đăng ký lưu hành thuốc, nguyên liệu làm thuốc.

Cặn cứ Biên bản thẩm định hồ sơ thay đổi/ bổ sung của công ty, Cục Quản

lý Dược có ý kiến như sau:

Đồng ý về việc thay đổi tiêu chuẩn chất lượng dược chất, thay đổi quy trình sản xuất thuốc, thay đổi màu sắc và thành phần vỏ nang, cập nhật phương pháp phân tích tiêu chuẩn chất lượng thuốc đối với thuốc Lipanthyl 200M, số đăng ký: VN-17205-13, cụ thể như sau:

Bảng so sánh nội dung thay đổi được đóng dấu xác nhận của Cục Quản lý

Dược và đính kèm theo công văn này.

Ngoài nội dung được thay đổi trên, tất cả các nội dung khác giữ nguyên như hồ sơ đăng ký thuốc lưu tại Cục Quản lý Dược.

Cơ sở đăng ký, cơ sở sản xuất phải chịu trách nhiệm về chất lượng đối với thuốc lưu hành trên thị trường và có trách nhiệm thông báo sự thay đổi này đến các co quan liên quan và khách hàng.

Sau 12 tháng kể từ ngày ký công văn này, thuốc trên không được nhập khẩu với các nội dung cũ đã đề nghị thay đổi.

Cục Quản lý Dược thông báo để Công ty biết và thực hiện đúng các quy định của Việt Nam về lưu hành thuốc./.

Nơi nhận:

- Như trên;
- Cuc trường (để b/c);
- Viên KN thuốc TƯ (để p/h);
- Viện KN thuốc TP HCM (để p/h);
- Liru: VT, ĐKT (TTQ) (2b).

KT. CUC TRƯỚNG HÓ CUC TRƯỞNG

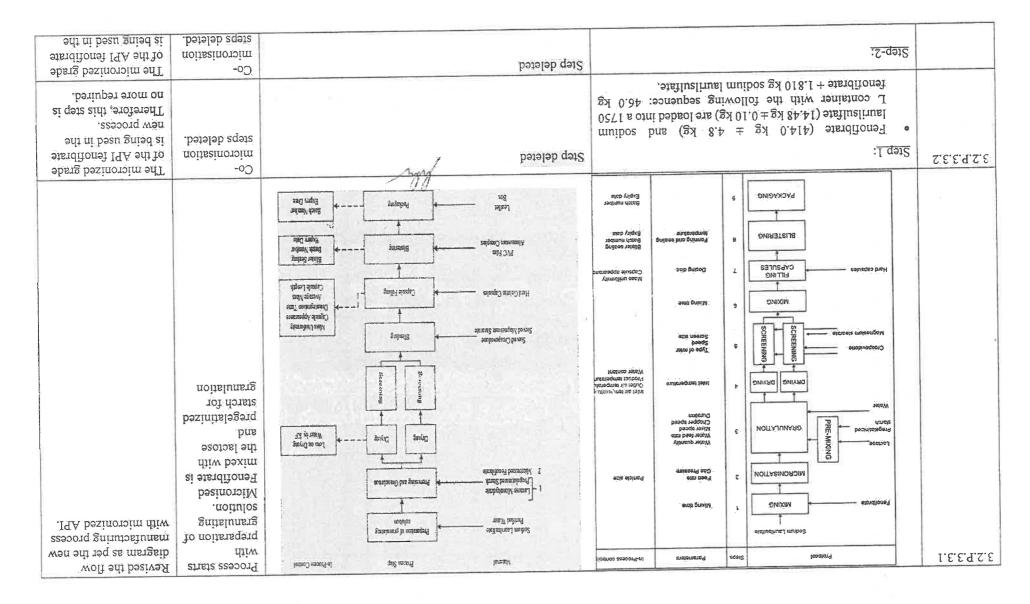
Nguyễn Thành Lâm

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Table 1: Comparison	the second secon		d want abanara dacciore
men to the state of the state o	make the set I the transfer to the	SO AT PSPO-CHAINGO AND	i mini#chemee adaatera
Table 1: I ammurisan	DE THE GETTS NEGROI	13 () DI C. CITCHIA C. C.	
Tuble 1. Comparison	(1) 1) 10 0 4 40 110 110 110 110		

CTD	Pre-change			Post-change			Summary of the change	Reason for the
Section 3.2,S.2.1	Corden Pharma Chenove 47 Rue de testing, release Longvic 21300 Chenove, France			Corden Pharma Chenove 47 Rue de Longvic 21300 Chenove, France	Manufa micron testing,	Micronization step added by drug substance manufactures	Change in the manufacturing process from co-micronized to micronized fenofibrate in finished product manufacturing process	
3.2.S.4.1	tanc		Anal ytical proce dure	Test Particle size, in μm	Accept ance criter ia	Analyt ical proce dure RTM.P1306	PSD limits has been updated	
	Particle size, in µm - D90	≤ 400 μm < 630 μm	SOLID 1000160279	D50 - D90 - D99	≤ 25 μm ≤ 50 μm	I fler		
3.2.S.4.2	SOLID 100016027 of mesh 630 µm an		ze is determined on siev	RTM.P1306 — Parti Diffraction for Fenofil BÔ Y CỤC QUẨN ĐÃ PHÊ	TÉ LÝ DƯỢC	00-		
				TĐ/BS ngày 28 thá (theo công văn .kd				

CTD	Pre-change				Post-change				Summary of the change	Reason for the change	
Section 3.2.P.1	Description of the Opaque, orange cap white powder.	psule size 1, co		te or almost	Description of t Opaque, ochre co Composition	he dosage form apsule size 1, co of the Capsule	ntaining a wh	itish powder.	Change in the capsule color and composition.	The color of the capsules have been changed do to the removal off crythrosin,	
	Composition of	Theoretical quantity	Function	Reference	Component	Theoretical quantity per capsule	Function	Reference	Update of the current references.	as this compound is considered that this compound in high	
	Component	per capsule		Ph. Eur.	Titanium dioxide (E	1.00%	Opacifier	Ph. Eur. conforms to (EU) 231/2012	Update of the description of the powder in	doses could be potentially toxic. The change in the capsule	
	Titanium dioxide (E 171)	2.33%	Opacifier	(0150) ¹ conforms to 95/45/EC	Red iron oxide (E	0.13%	Coloring agent	conforms to (EU) 231/2012	the capsule.	color/composition has not impact of the drug product quality.	
	Iron oxide (E172) Erythrosin	1.50%	Coloring agent Coloring	conforms to 95/45/EC conforms to	Yellow iron oxide (E	0.70%	Coloring agent	conforms to (EU) 231/2012		The description of the dosage form is	
	(E127)	0.17%	agent	95/45/EC Ph. Eur.	Gelatin	qs ad 100.0%	Filler	Ph. Eur. ¹		harmonized.	
	Gelatin	qs ad 100.0%	Filler	(0330)Error! Reference source not found.	1 Current o	I. Current edition					
	1 Current edit	tion			, , , , , , , , , , , , , , , , , , , ,			All Comments	Removed	Sites removed as the	
3.2.P.3.1	Site		Function(s)		Site Function(s)					Sites removed as the API is directly	
	Corden Pharma Rue de Longvic Chenove, France	21300	Co-micronisa	ation	Recipharm Fo Des Pres Pote 21121 Fontair	ts	testing, re	Corden Pharma and Jet Pharma as	purchased as micronized API. No comicronisation step is		
	Jet Pharma SA	Jet Pharma SA Via Sotto Bisio 42/A CP 234 – CH-6828 Balerna			France				co- micronisation sites	involved.	
	Recipharm Font Des Pres Potets 21121 Fontaine France		Manufacturii testing, relea	ng, packaging, se							

3.2.P.3.2	Component	Quantity	Reference	Component	Quantity	Reference	Fenofibrate	The API for the
Jaka Bangan	Fenofibrate	202.3 kg	Ph. Eur. (1322) ¹	Micronized Fenofibrate	202.3 kg ¹	Ph. Eur. ²	has been	manufacturing has
	Sodium laurilsulfate	7.1 kg	Ph. Eur. (0098)1	Sodium laurilsulfate	7.1 kg ¹	Ph. Eur. ²	changed to	been changed from Comicronisate
	Lactose monohydrate	99.2 kg	Ph. Eur. (0187)1	Lactose monchydrate	99.2 kg	Ph. Eur. ²	Micronized Fenofibrate.	(SLS+Fenofibrate) to
	Pregelatinised starch	29.46 kg	Ph. Eur. (1267) ¹	Pregelatinised starch	29.46 kg	Ph. Eur. ²	Number of	micronised
	Crospovidone	6.87 kg	Ph. Eur. (0892) ¹	Crospovidone	6.87 kg	Ph. Eur. ²	capsules per	Fenofibrate.
	Magnesium stearate	4.91 kg	Ph. Eur. (0229)1	Magnesium stearate	4.91 kg	Ph. Eur. ²	batch has	Based on the batch
	Purified water ²	qs granulation	Ph. Eur. (0008)1	Purified water ²	qs granulation	Ph. Eur. ²	been changed	size of the final blend,
	Size 1 capsules	≈ 982,200	In-house	Size 1 capsules	≈ 982,114	In-house	from 982,200	the number of capsules
	Current edition Used for granulation The manufacturing formutenofibrate/sodium laurily theoretical weight of coming sodium laurily and the sodium laurily formula corresponds production of one batch comicronisation of fenofiperformed on batches us these batches of intermed produce one batch of fini	ala presents an overa sulfate comicronisate ticronisate (196.4 kg s to the amounts of p of finished product. I librate with sodium la ling 414.0 kg of feno- diate product, 209.4 l	ge of 3% in e, calculated on the fenofibrate + 6.9 roducts used for the Mixing and aurilsulfate are fibrate. A part of	This quantity includes ar Current edition Used for granulation, rer		acturė	to 982,114	has been revised to 982,114 capsules.



									Ö	ranges may be used.	Equivalent equipment with appropriately validated	sten are those validated for the Lödige® FKM 1200.	1 150 mm. The ranges presented for the granulation	Diving the whole operation, the chopper works at 3 000	kw without exceeding a 1 200 seconds duration.	After the wetting phase, mixing is minimized in the first axis power consumption reaches 10		liters using a validated water flow addition sequence.	adjustable flow to a final target water volume of 64-66	mixed by the main axis and = 1 pin, punific water is	loaded into the mixer-granulator, while powder is	micronisate, lactose and pre-gelatinised statch are uten	over mixer. Fenotibrate/sodium laurisuitate co-	weighed, then pre-mixed for 15±5 minutes in a turn-	weighed. Lactose and pregelatinised starch are	 The fenofibrate/sodium laurilsulfate co-micronisate is 	Step 3:		used.	equipment with appropriately validated ranges may be	• The powder is mixed in a lutil-over mixer for the mixed and appropriately validated rate. Equivalent	
												 Spray the granulating solution from step 1. 	THE REPORT OF THE PARTY OF THE	Granulation:	granulator and max.	 Load the micronized fenofibrate in the high shear 	DITY III XIII OI CITY CARROL CARROLL & WAS AND THE COLUMN	The minima of the Micronized Fenofihrate	mix.	and the larance/starch in the high thear granulator and	Preble ading of lactose/starch:	Step 2 (3) A make the			 Add Sodium laurilsulfate and mix until completely 	 Add the purified water. 	The second control of the second seco	Step 1: Preparation of granulation solution				
revised	has been	description	the	process, only	the proposed	approved and	same for the	process are	granulation	for the	parameters	The process	mixer.	turn-over	instead of			fenofibrate is	pregelatinized	lactose,	Blending of	other.	one after the	separately and	are added	fenofibrate	and	Sodium			***	
																			efficiency.	increase the process	improvement to	part of continuous	has been revised as	(Fenofibrate), Process	micronized	and fenofibrate) to	comicronized (SLS	As the API has been changed from		no more required.	Therefore, this step is	140 cm pr. 000000

* [V)	9. 9	* <u>S</u>	• • <u>N</u>
Step 6: The two parts of the batch are transferred to a 1000 L container which is charged into a turn-over mixer and mixed for 60 ± 10 minutes at an appropriately validated rate. Equivalent equipment with	spovidone, magnesium vder in the fluid-bed baded through a mill. ling is carried out by the with 0.8 mm holes. Holorpm. The range of Fitzmill® D6. Expropriately validated ranging and milling are regranulate.	Step 5: • An adjusted amount of the external phase	• The granulate is transferred to the bowl of the fluid-bed dryer. The air flow is adjusted in order to prevent violent spattering of the powder toward the upper part of the apparatus. • Inlet air temperature is set at 65°C. When the outlet temperature of the air reaches 53°C and/or product temperature reaches 60°C, heating and fluidization are stopped and the powder is allowed to cool down to less than or equal to 50°C. The ranges presented for the drying step are those validated for the Glatt® WSG120. Equivalent equipment with appropriately validated ranges may be used.
Step 5: Final Blending Manually sieve the crospovidone and magnesium stearate. Blend with the milled granules obtained in step 4.		 Step 4: Screening (Deagglomeration) Screen the granulate from step 3 through 0.8 mm screen. 	• The wet granulate from step 2 is dried in a fluid bed dryer with an inlet air temperature set at approximately 65°C. The drying process is controlled with in-process tests that are summarized in Table 1.
The two parts of the batch & external phase are	external phase. The external phase is sieved during weighing.	milled excluding	Constitution of the consti
Blending time has been reduced based on the process validation study	sieve the external excipients separately using the sieve and was found to show no effect on the properties of the blend or the finished product. Therefore, it was proposed to sieve only granules in the milling step.	modification, evaluation was done to	With new process

	appropriately validated ranges may be used. Step 7:	Step 5: Capsu	le filling			transferred to a 1000 L container and mixed for 360 rotation at 8 RPM. No change.	No change
	The capsules are filled using an appropriate dosing disc.	disc. The		process is cont	propriate dosing trolled with in- able 1.		
	Steps 8 and 9: Capsules are introduced into blisters which have just been thermoformed from a polymeric film as described in Section 3.2.P.7. Blisters are then closed with a thermosealed aluminium foil. Batch number and expiry date are printed. Blister packs and leaflet are put into boxes on line, batch number and expiry date being printed on the box.	Steps 7: Bliste The capsulinto bliste in-process Steps 8: Packs The boxes onl the box.	ring iles are packag rs: The blisteri s tests that are s aging blister packs a ine, batch no. a	ed ng process is c summarized in and leaflet are and expiry date	ontrolled with Table I. put into carto being printed o	00	No change
3.2.P.3.3.3	Step 2:	Table 2: In-Prod Unit	In-Process	Fenofibrate 200 Test or	Acceptable ,	No Change. Controls have	No Change
	Feeding flow rate of micronizer is checked every 30 minutes.	Operation	Control	Measurement	Range	been	8
	Step 4: Control of the drying process requires control of the inlet and outlet air temperatures for the fluid bed dryer Glatt [®] WSG120 (respectively 65°C and not more than 53°C), the product temperature (not more than 60°C) and determination of the water content of the powder at the end	Drving	Loss on drying	Halogen lamp (HR73: 4.5g /105°C / stop criterion 4 / lamp: halogen)	<1.00%	compiled in a table.	
	of the drying process (not more than 3.0%, by Karl Fischer		Karl fisher	Average on two measures	< 3.0%		
VC - PROPERTY OF THE PROPERTY	method). Step 7: At the beginning of the filling process, the filling stations	Compute Filling	Visual Check	N/A	Compliant aspect		
de de la constanta de la const	are adjusted so that the mean mass of the content of 20 capsules ranges from 347 to 353 mg and the individual	Capsule Filling	Average mass Disintegration	Eur. Ph.	350.0 mg ± 5% Max 15 min		

in all in the

mass from 333 to 367mg. During the filling process, the mean mass of content of 20 capsules is evaluated every 30 minutes.

If the mean mass of content is:

- outside the range 324 376 mg: filling is stopped and filling stations are adjusted as described above;
- inside the range 324 376 mg but outside the range 333 367 mg; a new determination is immediately done. If it is the same case, the filling stations are adjusted; otherwise filling is continued;
- inside the range 333 367 mg; production is continued.

Every hour and in case of an extended shutdown of more than 2 hours, the individual mass of filled capsules is determined and the used capsules are checked for visual defect.

Disintegration time is checked on 6 capsules at the beginning of the filling operation, after every morning start and after every change of empty capsules batch. Results are reported in the batch record and must be no more than 15 minutes.

The length of 10 capsules is checked at the beginning of the filling operation once a day and after every change of empty capsules batch. This check is also performed in case of an extended shutdown of more than 2 hours.

Step 8:

Each blister strip is printed with a batch number and expiry date.

	Individual mass	Eur. Ph.	333 to 367 mg
	Length of capsules	Limit for size 1 type capsules	19.2 ± 0.3 mm
Blistering	Blister Seal Integrity	Leak Test	All tested bliste re should pass the test

Mu

Blister sealing is checked at the beginning of the blisterisation sequence. Blister packs are plunged into an aqueous methylene blue solution during 2 minutes under 0.5 bars and checked for absence of solution intake. Step 9: The batch number and expiry date are printed on each box. Microniser Jet Pharma® MC400, or equivalent, fed with appropriate gas High shear mixer Lödige® FKM 1200 or equivalent. Pump with adjustable flow. Mill Fitzmill® D6 or equivalent, Fluid-bed dryer Glatt® WSG120 or equivalent. Turn-over mixer for containers. 1 000 L and 1 750 L containers, or other container size as appropriate Capsule filling machine GKF-Bosch® 1200 or 1500, or MG2 Futura, or equivalent.	MG2 Futura, or equivalent.	Microniser Jet Pharma® MC400, or equivalent, fed with appropriate gas has been removed.	Microniser is not required after the change from comicronisate to micronised fenofibrate.
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		Acceptance	e Criteria	Analytical		Acceptance		Analytical	Change in the capsule color	The color of the capsules have been
	Test	at release	during shelf- life	Procedure	Test	at release	during shelf- life	Procedure	and changed do to the removal off cryth	changed do to the removal off erythrosin
	Characters	Opaque, orange capsule size 1, containing a white or almost	Opaque, orange capsule size I, containing a	visual	Characters	Opaque, ochre capsule size 1, containing a whitish powder	Opaque, ochre capsule size 1, containing a whitish powder	Visual	Update of the current references. Update of the	as this compound is considered that this compound in high doses could be
		white powder	white or almost white powder.	MAX 4007 CAPP	Identification				description of the powder in	potentially toxic. The change in the capsule
	Identification				Identification of fenofibrate by	Retention time of main peak			the capsule.	color/composition has
	Identification of fenofibrate by HPLC	Retention time of main peak identical with	.	SOLID 100012205 8	HPLC	identical with that of the reference		03003	References to the analytical	not impact of the drug product quality. The description of the
		that of the			Identification of	Rf of the main	**		procedures are changed.	dosage form is harmonized. The references to the analytical methods at changed to the new
		Rf of the main		SOLID	fenofibrate by	spot identical with that of the		RDAPDP0 03002	are changed.	
To the large	Identification of fenofibrate by	spot identical with that of the reference	-	100012205	TEC .	reference		Parither County		
3.2.P.5.1	TLC ¹			8	Tests					naming of the
	Tests	telefelice			Content average mass (mg)	332.5 to 367.5 mg	332.5 to 367.5 mg	Ph.Eur.2.9. 5 ³		documented system used in Abbott.
	Content average mass	332.5 to 367.5 mg	332.5 to 367.5 mg	Ph. Eur. 2.9.5 ³	Mass uniformity	Complies with		Ph. Eur.		
	Mass uniformity	Complies with the requirements of	=	Ph. Eur. 2.9.5 ³		requirements of the Eur. Ph. (±7.5%)	,	2.9.5 ³		
		the Eur. Ph. (±7.5%)			Disintegration time	≤ 15 minutes	≤ 15 minutes	Ph. Eur. 2.9.1 ³		
	Disintegration time	≤ 15 minutes	≤ 15 minutes	SOLID 100012205 8	Dissolution test	$Q_{20} = 75\%$ $Q_{40} = 90\%$	$Q_{20} = 70\%$ $Q_{40} = 85\%$	RDAPDP0 02747		
	Dissolution test (average of 6 capsules)	20 minutes: ≥ 75% 40 minutes: ≥ 90%	20 minutes: ≥ 70% 40 minutes: ≥ 85%	100012205	Degradation products/Impuritie s (HPLC): ¹ Impurity A	< 0.1%	≤ 0.1%	RDAPDP0 03004		

	Degradation products: I Impurity A	≤0.1% ⁴ ≤0.1% ⁴	≤ 0.1% ⁴ ≤ 0.1% ⁴	SOLID 100012205 8	Impurity B Unknown impurities Total of impurities	≤ 0.1% ≤ 0.1% each ≤ 0.3%	≤0.1% ≤0.1% each ≤0.3%			
	Impurity B Unspecified impurities Total of impurities	≤0.1% each ⁴ ≤0.3% ⁴	≤ 0.1% each ⁴ ≤ 0.3% ⁴		Microbiological contamination ^{1, 0}	Ph. Eur.5.1.4 ³ (nonaqueous preparations for oral use)	Ph. Eur.5.1.4 ³ (nonaqueous preparations for oral use)	SALAN .		
	Microbiological contamination 2	Ph. Eur.5.1.4 ³ (nonaqueous preparations for oral use)	Ph. Eur. 5.1.4 ³ (nonaqueous preparations for oral use)		TAMC (total aerobic microbial count)	NMT 10 ³ CFU/g	NMT 10 ³ CFU/g	Ph. Eur. 2.6.12 ³))	
	TAMC (total aerobic microbial count)	NMT 10 ³ CFU/g	NMT 10 ³ CFU/g	Ph. Eur. 2.6.12 ³	TYMC (total combined yeast/moulds count)	NMT 10 ² CFU/g	NMT 10 ² CFU/g	Ph. Eur. 2.6.12 ³		
	TYMC (total combined yeast/moulds count)	NMT 10 ² CFU/g	NMT 10 ² CFU/g	Ph. Eur. 2.6.12 ³	Escherichia coli Assay	Absent/g	Absent/g	Ph. Eur. 2.6.13 ³	, H	
	Escherichia coli	Absent/g	Absent/g	Ph. Eur. 2.6.13 ³	Assay of fenofibrate	190.0 to 210.0 mg/capsule (95.0 to 105.0%	190.0 to 210.0 mg/capsule (95.0 to	RDAPDP0 03003		
	Assay				.	LC)	105.0% LC)	ANIMAN.		
	Assay of fenofibrate	190.0 to 210.0 mg	190.0 to 210.0 mg	SOLID 100012205 8	No roctine to	tches				
	³ Current edition	ned on every 10^{th}			3 Current edit	fou		o m		
	Dissolution for S	the fenofibrate l		ent. ed).	Dissolution for S	Stability (Ph. E	ur. 2.9.3, curr.	ed.)	Alterations to	The method use is
3.2.P.5.2	The dissolution to	est is performed			This method shot are not complyi described above.	uld only be used	cnce the dissol	ution results method 1.1	the dissolution method used in stability	changed in order to be aligned with the EP guidelines on crosslinking and

- a rotation speed 90 rpm ± 4%;
- Dissolution medium:

In the vessel, add 500 ml of aqueous solution of pancreatin at 35 mg/l in phosphate buffer pH=8, 1 capsule and allow the pancreatin to operate during 30 minutes, then add 500 ml of 0.2 M aqueous solution of sodium laurylsulfate.

Pancreatin is added to produce not more than 1750 USP Units of protease activity per 1000 ml of the dissolution test medium. Other pancreatin concentrations may be used depending on the protease activity per mg.

The sodium laurylsulfate having an inhibitory effect on the pancreatin, the hydrolysis of the gelatin is carried out before the addition of the aqueous sodium laurylsulfate solution. In order to have a final concentration of 0.1 M in sodium laurylsulfate in the dissolution medium, a 0.2 M aqueous sodium laurylsulfate solution is used to make up to the volume.

A reference solution is prepared as follows:
To prepare in duplicate, dissolve 20.0 mg of fenofibrate with 10.0 ml of acetonitrile, and dissolve on a magnetic stirrer for 15 minutes. Complete to 200.0 ml with dissolution medium (being 50:50 V/V of pancreatin at 35 mg/l in phosphate buffer pH=8 and 0.2 M aqueous solution of sodium laurylsulfate). Dilute this solution to 10 times its volume with dissolution medium (being 50:50 V/V of pancreatin at 35 mg/l in phosphate buffer pH=8 and 0.2 M aqueous solution of sodium laurylsulfate).

have occurred and pancreatin must be used to break the cross-linking bonds.

The dissolution test is performed using:

- a paddle apparatus;
- a rotation speed 90 rpm ± 4%;
- Preparation of reagents;

Phosphate buffer pH 8.0 (Solution A)

- 1250 ml KH₂PO₄ 0.20 M (e.g. weigh 54.5 g of KH₂PO₄ in a graduated flask of 2 liters, make up to volume with water).
- 1152.2 mL of NaOH 0.20 M (e.g. weigh 16.0 g of NaOH flakes in a graduated flask of 2 liters, make up to volume with water).
- Mix the two solutions and make to volume (5 liters) with water.

Pancreatin solution (Solution B)

Prepare 5 liters solution with 35 mg/L of pancreatin in solution A.

Pancreatin is added to produce not more than 1750 USP Units of protease activity per 1000 ml of dissolution medium. Other pancreatin concentrations maybe used depending on the protease activity per mg.

Dissolution Medium part 1. 500 ml of solution B. Degas and heat to 37 °C \pm 0.5 °C.

Dissolution Medium part 2

made. The method should only be used once crosslinking in the capsules are seen and not at each time point of the stability. The addition of the capsule in first media (pancreatin) is the actual start of the dissolution in the updated method, after 10 minutes the SLS media is added. No change the composition to the media.

testing with enzymes. The set-up of the dissolution (start of actual dissolution) is aligned with EP guidelines on testing cross linked capsules.

 A UV-visible spectrophotometer set to 290 nm and fitted with cells of 10 mm path length.

Introduce in each of the six vessels a capsule previously weighed with a stainless steel piece. The capsules must be at the bottom of the vessel.

At times 20 and 40 minutes:

- Take a sample of 5 ml in each vessel through a filter (porosity 10 to 20 μm);
- Add immediately 5 ml of new medium in each of the 6 vessels.
- Dilution: in a 25 ml volumetric flask, introduce 1 ml of each sample and complete to 25.0 ml with sodium laurylsulfate solution.

Determine the absorbance of the solution at λ max. near 290 nm. Use the dissolution medium as blank. The ratio of absorbance of the 2 reference solutions must range between 98.0% and 102.0%.

The percentage of fenofibrate dissolved when pancreatine is used must be $\geq 70\%$ at 20 minutes and $\geq 85\%$ at 40 minutes.

0.2 M Sodium lauryl sulfate solution; weigh 57.68 g of Sodium lauryl sulfate per liter of water and dissolve. Degas and heat to $37 \, ^{\circ}\text{C} \pm 0.5 \, ^{\circ}\text{C}$.

Diluent

Mix 500 ml of dissolution medium part 1 with 500 ml of dissolution medium part 2;

- A reference solution is prepared as follows: (prepare in duplicate)
 - Accurately weigh 20.0 mg of Fenofibrate ARS into a 200-ml volumetric flask and dissolve with 10.0 ml of acetonitrile.
 - Magnetically stir for 15 minutes. Complete to 200.0 ntL with diluent.
 - Dilute this solution to 10 times its volume with diluent.

For Online sampling: (prepare in duplicate)

- Accurately weigh 20.0 mg of Fenofibrate ARS into a 100-ml volumetric flask and dissolve with 5.0 ml of acetonitrile.
- Magnetically stir for 15 minutes. Complete to 100.0 mL with diluent.

Standard solutions are stable for 4 days at 15-30°C stored in clear glassware.

- A UV-visible spectrophotometer set to 290 nm and fitted with cells of 10 mm path length.
- Procedure for Dissolution;

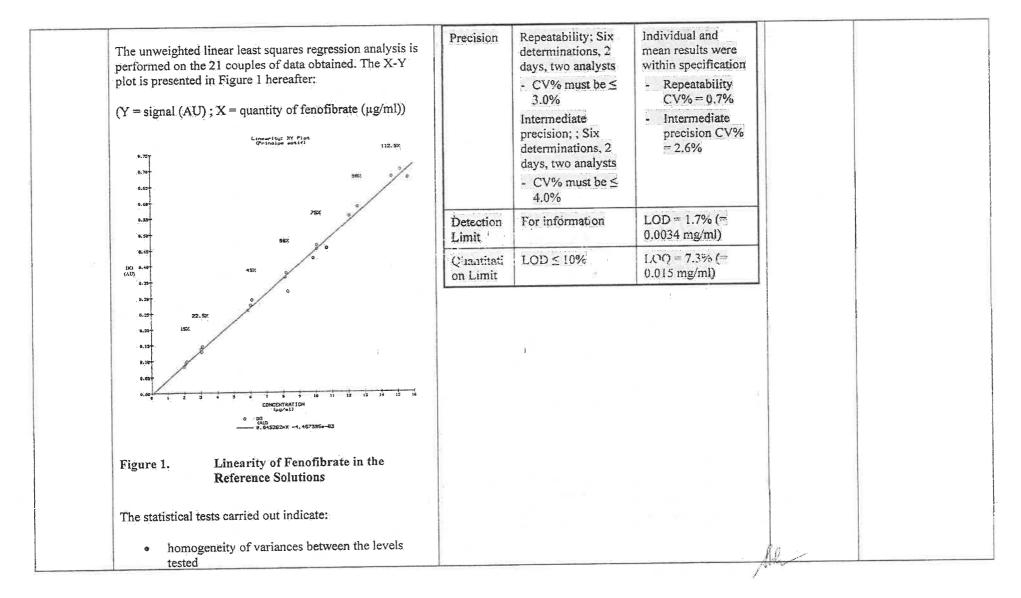
Kly.

	Transfer 500 mL of dissolution medium part I to the 6 dissolution vessels.
	Allow the media to reach 37.0 ± 0.5 °C.
	Introduce in each of the six vessels a capsule previously weighed with a stainless-steel sinker.
,	The capsules must be at the bottom of the vessel and start stirring.
,	- After 10 minutes add 500 ml of pre-heated dissolution medium part 2 to the 6 dissolution vessels.
	After 20 minutes and 40 minutes after introduction of the capsules, withdraw an aliquot of about 5 mL from each vessel and immediately add 5 mL of new dissolution medium. * *If subsequent samples are taken from the dissolution vessels correct for the decreased volume and withdrawn Ferofibrate.
	rerigiorale.
	Filter each of the specimens through suitable sample preparation filters, discarding the first 2 mL.
	Allow the sample specimens to cool down to ambient temperature.
	For off-line sampling:
	Pipette 1.0 ml of the sample into a 20-ml volumetric flask and complete to 20.0 mL with dissolution medium (for capsule of 200 mg)
	Measure each of sample specimens at 290 nm, using dissolution medium as a blank.
	Sample solutions are stable for 4 days at 15-30°C stored in clear glassware.
	Miller

	4	near 29 The rat must ra Evalua in the c 2.9.3 () capsule	90 nm. Use the disso tio of absorbance of ange between 98.0% ate the results, using current specification Dissolution). If request.	the acceptance criteria document and Ph.Eur.	The updated	The updated method
3.2.P.5.3	Additional Validation for the Use of Pancreatin Additional Validation tests have been performed with pancreatin on capsules containing 267 mg of micronised fenofibrate. The Fenofibrate Capsule 267 mg represents all strengths since the only relevant difference is the quantity of product filled into the capsules. 1.1.1 Specificity Specificity has been tested regarding the dissolution medium, a solution of pancreatin in phosphate buffer pH=8, excipients, and absorbance due to the empty capsule. For all the solutions tested, the maximum interference found was the interference due to the solution of pancreatin, corresponding to 0.4% of fenofibrate	which proced UV-sp capsul method validation the accrespect	eport describe the va have been performe dure used to determine ectrometry of Fenon described in DAR ted for the listed in Dar duideline Q2(R1). To ceptability of the analytic to the all excipient	d to validate the ne the dissolution by librate in cross linked and 267 mg. The LUS RDAPDP002747 is Table 6 as described in the validation confirms alytical procedure with	method for stability with enzymes has been validated in accordance with ICH requirements.	requires validation in accordance with ICH requirements.
	dissolved: this quantity may be considered negligible. The method is thus specific for the assay of fenofibrate after dissolution of 267 mg micronised fenofibrate capsules in 0.1 M aqueous solution of (pancreatin/sodium laurylsulfate).	Paramete r	Criteria	Result		

During the enzymatic hydrolysis step (30 minutes), the amount of fenofibrate dissolved in the solution of pancreatin in phosphate buffer pH=8 is 1 mg. This amount corresponding to 0.4% is negligible.	Specificit y	No interference to be detected at the wavelength of the compound of interest, the absorbance should be ≤2%	No interference was detected at the wavelength used of Fenofibrate.	
According to this result: the outset for the dissolution test with pancreatin is the addition of the 0.2 M aqueous solution of sodium laurylsulfate, the determination of the amount of fenofibrate dissolved at the end of the enzymatic hydrolysis step will not be performed in routine test. Linearity The linearity study is performed on 3 separate days by the	Linearity	Correlation Coefficient is greater than 0.99 for Fenofibrate Intercept must be either not significant of analytically not relevant Y- intercept /b-slope ≤ 3.0%	Fenofibrate: 7 levels 10% – 160%, r = 0.999901. The intercept is significant but analytically not relevant	
same operator working on the same equipment. • Linearity of fenofibrate in the reference solutions: Each day, 7 independent reference solutions containing 2, 3, 6, 8, 10, 12 and 15 μg/ml of fenofibrate, respectively corresponding to 15% to 112.5% of the theoretical concentration (10 μg/ml), are prepared and analysed by UV spectrophotometry. The absorbances obtained against 0.1 M aqueous solution of (pancreatin/sodium laurylsulfate) are collected. Cells with a 10 mm pathlength were used to determine the linear range of the method. The data obtained are presented in Table 3 hereafter.	Accuracy	The mean recovery and 90% confidence interval of the main component is within 95.0 - 105.0% of the theoretical concentration. The individual recovery of the main component is within 90.0 - 110.0% of the theoretical concentration.	Fenofibrate: 7 levels 10% – 160%, six replicates. Mean recovery = 100.0%, CI = 99.4% – 100.6% The individual recoveries are within 90.0 – 110.0% of the theoretical concentration.	
			concentration.	

Table 3. Linea Reference Sol	rity results o utions	of Fenofibrate	in the		accuracy comparto linearity should be either:		
Group	Series	Quantity (µg/ml)	Signal (AU)		1) statistically n	1. 5 8 3 1 1 1 1 1	
15	i	2.079	0.0911		signify.og		
15	2	2,138	0.0981		compatibility intercept and		
15	3	1.981	0.0824		slope with 0		
22.5	1	3.014	0.1362		1, respective	ly,	370000 370000 370000
22.5	2.	3.095	0 1448		confidence		
22.5	3:	3.050	0.1272		interval		
45	1	6.120	0.2924		2) analytically relevant,	nat	
45	2	6.018	0.2755		signifying th	at	
45	3	5.886	0.2594		the mean and		
60	1	8.168	0.3624	·	90% confide		
60	2	8.232	0.3761		recovery based		
60	3	8.324	0.3188		on accuracy compared to		
75	1	10.095	0.4531		linearity for	100 1 15	
75	2	10.090	0.4645		Fenofibrate lay between		
75	3	9.89	0.4227		95.0% and		
90	1	12.585	0.5859		105.0%		-
90	2	12.100	0.5574	Range	The test method linear, precise,		
90	3	10.730	0.4551		accurate coveri	ng accurate covering	
112.5	1	14.670	0.6794		the range of at least 10 - 130%.	east the range of 10 - 159% nominal	
112.5	2	15.195	0.7023			concentration of	
112.5 Theoretical am	3	15.670	0.6766			Fenofibrate. (0.02 – 0.32 g/ml)	10



- existence of a relationship between signal (AU) and amounts
- linearity of this relationship
- Y-intercept not different from 0 at the significance level of 5%.

Linearity of fenofibrate in the reference solutions is thus demonstrated, with:

- equation of the regression line : Y = 0.045262 X + 0.00447
- correlation coefficient (r) = 0.996
- Linearity of fenofibrate in the test solutions (obtained from the reconstituted dosage form):

Each day, 3 independent test solutions are prepared by spiking a placebo placed in the conditions of the dissolution test method, with a quantity of fenofibrate corresponding to 7.4, 10 and 12.7 µg/ml of fenofibrate concentration in the test solutions.

The data obtained are presented in Table 4 hereafter.

Table 4. Linearity Results of Fenofibrate in the Reconstituted Dosage Form

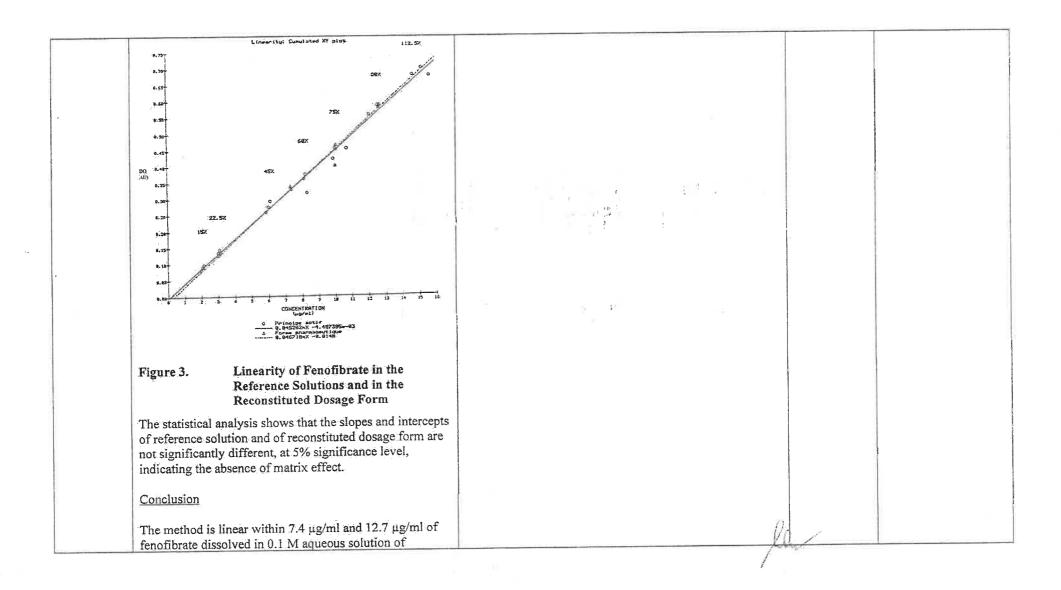
Group	Series	Quantity (µg/ml)	Signal (AU)
55	i	7.336	0.3396
5.5	2	7.401	0.3297
55	3	7.350	0.3363
75	1.	10.090	0.4671
75	2	10.022	0.4576

Robustnes s of the method	The mean ratio of automated versus manual sampling and 90% confidence interval must be between 90.0 - 110.0% for the 20 minutes time point. The mean ratio of automated versus manual sampling and 90% confidence interval must be between 96.0 - 104.0% for the 40 minutes time point.	- 20 minutes: The mean and 90% confidence interval for Fenofibrate is 102.8 – 106.0% (mean = 104.4%) - 40 minutes: = The mean and 90% confidence interval for Fenofibrate is 98.9 – 100.3% (mean = 99.6%)
Robustnes a of the UV- method	The normalized mean A(1% 1cm) and 90% confidence interval must be between 98.0 - 102.0%.	The mean and 90% confidence interval for Fenofibrate is 98.9 – 99.7%
Stability of Solution	The mean and 90% confidence interval must be between 95.0 - 105.0%	The mean and 90% confidence interval for Fenofibrate is 100.5% - 103.4% (mean = 101.9%)

The validation data for each parameter is described in detail in 3.2.P.5.3 in the individual sections. Based on the validation data presented, this method is valid for its intended use for the dissolution of Fenofibrate in

75	3	10.032	0.4028	Fenofibrate capsules containing 67 mg, 200 mg and 267 mg of Fenofibrate.
95	1	12.666	0.5786	of renotionate.
95	2	12.655	0.5847	
95	3	12.713	0.5874	
performed on t is presented in	he 9 coupl Figure 2 h	les of data obtain	ession analysis is ned. The X-Y plot tration (µg/ml).	
		Linesisty: NY Plat Forme, pruma sestique?		
9, 69- 0, 59- 0, 58- 8, 49-			750	
 9.227 6.137	/	55%		
0.05		5 6 7 2 6 CONCENTRATION (egg-ml) 0 MG (RM) 6,8407;84X -8.8148	9 10 111 12 13	

Figure 2. Linearity of Fenofibrate in the Reconstituted Dosage Form		
The statistical tests carried out indicate:		
homogeneity of variances between the levels tested existence of a relationship between signal (AU)		
and amounts linearity of this relationship Y-intercept not statistically different from 0 at the significance level of 5%	t. i	
Linearity of fenofibrate in the reconstituted dosage form is thus demonstrated, with: • equation of the regression line: Y = 0.046718 X - 0.0148 • correlation coefficient (r) = 0.984		
• Comparison between linearity of fenofibrate in reference solutions and in reconstituted dosage form: The linear curve parameters obtained with the reference solution are compared to those of the linear curve obtained in the reconstituted dosage form, in order to demonstrate that the 2 curves are not significantly different. This comparison is presented in Figure 3 hereafter.		



pancreatin/sodium lauryIsulfate, for 10 mm pathlength cells.

1.1.4 Accuracy

Accuracy is determined from the fenofibrate linearity data in the test solutions, i.e. at 7.4, 10.0 and 12.7 μ g/ml concentrations.

Recovered amounts are calculated from the spectrophotometric data, using a 100% reference solution.

Recovery values are then calculated between recovered amounts and actual concentrations of fenofibrate dissolved (level 75%),as described in the linearity study. The data are presented in table 6 hereafter.

Statistical tests indicate:

- homogeneity of variances between the levels tested
- absence of significant differences regarding within and between-groups variations

The mean recovery is 101.5% and the 95% confidence interval is [98.0%; 105.0%], which is satisfactory.

Table 5. Accuracy Data

Group	Serie s	Quanti ty (µg/ml)	Recove red qty (µg/ml)	Recoveri es (%)	Varianc es
55	1	7.336	7.566	103.14	
55	2	7.401	7.162	96.77	26.94

r	55	3	7.350	7.869	107.05	
ľ	75	1	10.090	10.407	103.14	·
r	75	2	10.022	9.940	99.18	21.28
ľ	75	3	10.032	9.424	93.14	
1	95	1	12.666	12.891	101.78	
1	95	2	12.655	12.701	100.36	17.02
ľ	95	3	12.713	13.744	108.11	

Conclusion

The method is accurate within the range 7.4 μ g/ml to 12.7 μ g/ml of fenofibrate dissolved in 0.1 M aqueous solution of pancreatin/sodium laurylsulfate.

1.1.5 Precision

Precision was performed on 3 separate days by 2 different operators working on the same equipment.

Each day, calibration was performed as indicated in the dissolution test method.

Each day, I dissolution test is performed from 6 capsules, corresponding to a theoretical final concentration of 10.68 µg of fenofibrate/ml of dissolution medium.

The quantities of fenofibrate dissolved (%) are presented in Table 6 thereafter.

Table 6. Precision Data

		Fenofibrate dissolved at				
Series	Test	20 minutes	40 minutes			
1	1	84.57	89.04			
1	2	84.95	88.21			
1	3	84.36	88.41			
1	4	85.40	88.25			
1	5	83.68	87.94			
1	6	84.74	88.21			
2	1	89.69	94.17			
2	2	89.67	93.54			
2	.3	89.25	93.33			
2	4	89.68	93.56			
2	5:	89.48	92.55			
2	6	89.78	92.85			
3	1	88.69	93.92			
3	2	90.68	96.90			
:3	3	92.79	94.70			
3	4	90.31	96.14			
3	5	90.89	95.47			
3	6	89.61	94.99			

Preliminary statistical test indicate a good homogeneity between the series tested.

Then the calculations give:

	 a relative standard deviation for repeatability (RSD_r) = 1.0% at 20 minutes and 0.8% at 40 minutes; a relative standard deviation for intermediate precision (RSD_R) = 3.7% at 20 minutes and 4.0% at 40 minutes. 			
	1.1.6 Range			
	Regarding the data obtained above, the interval of the method may be defined within 7.4 µg/ml and 12.7 µg/ml of fenofibrate dissolved in 0.1 M aqueous solution of (pancreatin/sodium laurylsulfate), for 10 mm pathlength cells, i.e. approximately from 70% to 120% of the theoretical amount (267 mg per capsule, or 10.68 µg/ml in the test solution).			
3.2.P.5.3	Validation TLC for ID No validation data available	Introduction and Summary The TLC method used for the identity of Fenofibrate capsules containing 200 mg Fenofibrate has been validated for specificity. Identification of Fenofibrate by TLC using silica gel coated glass plate with fluorescence indicator and UV detection at 254 nm. Specificity In order to verify the specificity of the analytical procedure the following readings were performed with UV (1cm cuvette): - Diluent - Fenofibrate standard solution - Placebo mixture solution - Solution of reconstituted pharmaceutical form - Test solution (3 batches of 200 mg capsules)	Performed method validation for TLC method for ID.	Method validation was not performed.

The results are summable 8 Results Spe			
	Spot at the same Rf of Fenofibrate	Colour intensity spot same as Fenofibrate (80 to 120% of the theoretic colour intensity)	a
Diluent	No	n.a.	
Fenofibrate standard	Yes	Complies	
Placebo mixture	No	n.a	
Reconstituted pharmaceutical form	Yes	Complies	
Test solutions			
200 mg, batch 24925	Yes	Complies	
200 mg, batch 25984	Yes	Complies	
200 mg, batch 26554	Nes	Complies	
			-

Summary:

1. Unit formula composition:

There is no change in the unit formula composition of the drug product for the approved and proposed process. Therefore, no affect on the critical quality attributes of the drug product is anticipated.

2. Batch Formula:

There is no major change in the manufacturing formula. Only the number of capsules has been changed from 982,200 to 982,114. The batch formula for the production of final blend remains unchanged. Therefore, there is no impact on the product quality.

3. Manufacturing Process, equipment and process controls:

There is a minor change in the manufacturing process steps as the comicronisation step has been removed. Micronised Fenofibrate is used in the proposed manufacturing process. All other critical process parameters are either same or have been evaluated during the manufacturing of the validation batches. The evaluated process parameters for the proposed process is efficient and reproducible to produce the same quality of product as for the approved process. The equipment involved in the production of the batches at both the scales have similar operating principles. The process is controlled through the in-process control tests at different stages that are same for both the processes.

4. Analytical methods

The TLC method which was already in place was never validated. The method validation data of the TLC-method is now included.

5. Comparison of the physicochemical properties of the drug product:

It is evident from the comparison that all the critical quality attributes of the drug product are similar for both the processes. Thus, it can be concluded that there is no impact of process change on the quality of the drug product pre-change and post-change.

6. Stability of the drug product:

According to the stability data 3.2.P.8, it is clear that the drug products manufactured using the comicronised or the micronised process are very stable for upto 6 months when stored at the recommended storage condition. There is no significant difference between the product characteristics of both the processes during the release and shelf life.

Conclusion:

Based on the above comparison tables and summary, it can be concluded that there is no impact of the process change on the drug product quality attributes and both the products (pre-change and post-change) are essentially similar,

3.2.S.4.1 Specification

Test	Registered Specifications	Test	Proposed Specifications	Summary of the change	Reason for the change
Characteristics	Crystalline, white or almost white powder,	Appearance	White or almost white, crystalline powder	Solubility test removed from description and include as each	Editorial change
	practically insoluble in water, very soluble in methylene chloride and slightly soluble in ethanol.	Solubility		individual tests	
		Water	Practically insoluble		
		Ethanol	Slightly soluble		
		Methylene Chloride	Very soluble		
dentification	ere at the original state of the second	Identification			A. 40
Melting point	79 to 82°C	Melting point, in °C	79 - 82	No changes	Not applicable
Infrared	Identical with CRS reference spectrum	IR spectrum	Corresponds to spectrum of the reference standard	No changes	Not applicable
Appearance of solution	The solution is clear and not more intensely colored than reference solution BY6	Appearance of solution	The solution is clear and not more intensely colored than reference solution BY ₆	No changes	Not applicable
Acidity	≤0.2 ml NaOH 0.1 M	Acidity, in ml NaOH 0.1 M	≤0.2	No changes	Not applicable
Related substan	ces	Related substances			
Impurity A	≤ 0.1%	Impurity A (HPLC, % w/w)	≤ 0.15	Relaxed impurity limits	As per EP monograph
Impurity B	≤ 0.1%	Impurity B(HPLC, % w/w)	≤ 0.15		
Impurity C, D, E, F	≤0.1% each			Removed impurities test for C, D, E, F	
Impurity G	≤ 0.2%	Impurity G (HPLC, % w/w)	≤ 0.2	No changes	Not applicable
Unidentified impurities	≤ 0.10% each	unspecified impurities content (HPLC, % w/w)	≤ 0.10	No changes	Not applicable
Total of impurities	≤0.5%	Sum of Impurities (HPLC, % w/w)	≤ 0.5	No changes	Not applicable
Halides	≤ 100 ppm (expressed as chlorides)	Halides (expressed as chlorides), in ppm	≤100	No changes	Not applicable
Sulphates	≤ 100 ppm	Sulphates, in ppm	≤100	No changes	Not applicable



Heavy metals	≤20 ppm			Heavy metal test removed	As per ICH Q3D requirements.
Loss on drying	≤0.5%	Loss on drying, in % m/m	≤ 0.5	No changes	Not applicable
Sulphated ash	≤0.1%	Sulphated ash, in %	≤ 0.1	No changes	Not applicable
Particle size		Particle size, in μm			The state of the state of the
Particles of Ø	≥ 99.0%	D50	≤15 μm	Update of PDS limits	Due to the change in the finished product manufacturing process the
Particles of Ø < 400 μm	≥ 90.0%	D90	≤25 μm		PSD limits are updated.
		D99	≤50 μm		
Assay (on dry product)	98.0 to 102.0%	Assay (on dry substance) according to EP (%w/w)	98.0 - 102.0	No changes	Not applicable

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