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Triethyl Citrate			
RM/SPEC/HM/031-01 Supersedes No.		DM/CDE/	7/021 02
		19/04/	2025
A/SOP/QC/030/02	Review Month	Mos'	2030
	Quality Control Dep	Quality Control Department Triethyl Citrate RM/SPEC/HM/031-01 Supersedes No. IP/USP Effective Date	Quality Control Department Page No. Triethyl Citrate RM/SPEC/HM/031-01 Supersedes No. RM/SPEC IP/USP Effective Date

GENERAL INFORMATION

Pharmacopoeial reference

: IP/USP

Special requirement of pack

: Material should be packed in HDPE container

Approved vendor

: Please refer current approved vendor list.

Handling hazards

: Refer Material Safety Data Sheet

Quantity to be sampled

Analysis Sample Control sample
90 g 180 g

Retest Period

: 12 Months

Storage

: Store protected from moisture and preserve in tight containers.

	PREPARED BY	REVIEWED BY	APPROVED BY
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Sign/Date	19104125	Ain	Manish Mahajan
Designation	3000	19/04/25	(191041VDVS
Department	Quelity Control	Asst-Manager Quality Control	Manager Qualit #Assurance



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Name of Raw Material	Triethyl Citrate	
Specification No.	RM/SPEC/HM/031-01	

SR. NO. TEST		SPECIFICATIONS	REFEREN
01.	Description #	A Clear, Viscous, colourless or almost colourless, hygroscopic liquid.	IP
02.	Solubility	Practically colorless, oily liquid. Miscible with ethanol (95%), Soluble in water; slightly soluble in fatty oils. Soluble in water, Miscible with the fatty of the soluble in water.	USP
03.	Identification: Test A may be omitted carried out.	Soluble in water. Miscible with alcohol and with ether. I if tests B and C are carried out. Test B and C may be omitted.	USP d if test A is
	Test A: By IR Test B: Reaction of	Compare the spectrum with that obtained with Triethyl Citrate RS or with the reference spectrum of triethyl citrate. i) No precipitate should be produced.	IP/USP
-	citrate Test C: Reaction of	ii) A white precipitate soluble in 6 M acetic acid should be produced. A bluish-red or red colour should be produced.	IP
7	Test D: By Chromatogram	The retention time of the major peak of the sample	IP
· A	appearance of solution	solution corresponds to that the standard solution. The solution should be clear and should not more intensely coloured than reference solution BYS6	USP
. A	cidity	Not more than 0.3 ml of 0.1 M sodium hydroxide should be required to change the color of the indicator to blue NMT 1.0 ml of 0.10 N sodium hydroxide should be	IP
Re	fue at:	required. 1.440 to 1.446	USP
			IP

	PREPARED BY	REVIEWED BY	
Sign/Date	DD2e2	MEALE MED BA	APPROVED BY
Sign/Date	19104125	Jun.	200
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<u>novo</u> excipients PVT. LTD.	Quality Control Department	Page No.	
Name of Raw Material Triethyl Citrate		-	
Specification No. RM/SPEC/HM/031-01			

SR.	TEST	CDECLEICATIONS	
NO.	11231	SPECIFICATIONS	REFERENCE
07.	Related substances	The area of any secondary peak is not more than 0.2 per cent the area of the principal peak in the chromatogram obtained with the reference solution. The sum of the areas of all the secondary peaks is not more than 0.5 per cent the area of the principal peak in the chromatogram obtained with the reference solution. Ignore any peak with an area less than 0.04 % the area of the principal peak in the chromatogram obtained with the reference solution.	IP
08.	Heavy metals	NMT 5 ppm.	IP
09.	Organic impurities # Triethyl aconitrate Individual Impurity Total Impurities	NMT 0.2% NMT 0.2% NMT 0.5%	USP
10.	Sulphated ash	NMT 0.1 %	IP
11.	Water # NMT 0.25 %		IP/USP
12.	Assay # (On anhydrous basis)	98.5 % - 101.0 % 97.0 % to 102.0 %	IP USP
# : Re-e	valuation tests		OSF

REVISION HISTORY FOR SPECIFICATION:

Revision No.	Revision Description	Effective Date
01	 New pharmacopoeial grade document prepared as per approved Change control No. CC/QC/23/002 SPEC and ATR prepared as per approved change control No. CC/QC/25/008 	19/04/2025

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Sign/Date	19104125	19/04/25	100/015
		19/09/25	