



ISO 9001:2015 CERTIFIED

CERTIFICATE OF ANALYSIS

Product Name	Melphalan Impurity G Trifluoroacetic acid salt	
Molecular Formula	C ₂₈ H ₃₆ Cl ₃ F ₃ N ₄ O ₆ (TFA Salt) C ₂₆ H ₃₅ Cl ₃ N ₄ O ₄ (Free base)	
Molecular Weight	687.96 (TFA Salt) 573.94 (Free base)	
Batch Number	XX-XXXX	
Batch Quantity	XXX	
Date of Manufacturing	DD-MM-YYYY	
Date of Analysis	DD-MM-YYYY	
Next Retest Date	DD-MM-YYYY	
Catalogue Number	DCTI-C-000178	
CAS Number	2238824-43-4 (Free base)	
COA Number	PA-XXXX	
IUPAC Name	(S)-2-amino-3-(4-((2-(((S)-2-amino-3-(4-(bis(2-chloroethyl)amino)phenyl)propanoyl)oxy)ethyl)(2-chloroethyl)amino)phenyl)propanoic acid--2, 2, 2-trifluoroacetic acid	
Storage and Handling	2-8 °C	

Sl. No	* Test	Result
	Description	
1.	Identification i) By IR ii) By NMR iii) By MS	--
2.	Chromatographic Purity (% by HPLC)	--

Remarks: *Test or tests as mentioned above may vary as per the product nature or customer's requirement

Function	Compiled by	Reviewed by	Reviewed by	Approved by
Name	xxx	xxx	xxx	xxx
Department	Pharma Standards QC	Pharma Standards QC	Quality Assurance	Quality Assurance
Sign and Date				

Attachments	IR, NMR, MS spectra, HPLC Chromatogram.
Date of Shipment	DD-MMM-YYYY

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