



Primary In-House Reference Standard
Certification of Analysis
MOD-201MS (aka SM102), CPC-IHRS-0089

Number: CPC-IHRS-0089, Batch# AL-067-12, LIMS#2101-0742

Retest Date: January 31st, 2022

Storage Conditions: -20 ± 5 °C under nitrogen

Packaging: Amber vial or jar under nitrogen with parafilm

Applicability: Quantitative Primary Reference Standard

Use Instructions: As-is

Report ID: 20-2530

TEST	METHOD	SPECIFICATION LIMIT	RESULTS
Appearance	A/VI Visual	(b) (4)	
ID by ¹ H-NMR	USP <761>		
ID by ¹³ C-NMR	EP 2.2.33 JP <2.21>		
ID by UPLC-MS	R-QCM-2017		
ID by IR-Spectrum (ATR)	AGM104=05 USP <197-A>		
Solubility (1% in Ethanol)	Visual		
Purity by UPLC-CAD	R-QCM-2007		
ID by UPLC-CAD-RT			
Related Impurities by UPLC-CAD			
Elemental Analysis	972.43 (Tube combustion)		
	Oxygen by Pyrolysis		
Elemental Impurities by ICP-MS	R-QCM-0868 USP < 232>		



Primary In-House Reference Standard
Certification of Analysis
MOD-201MS (aka SM102), CPC-IHRS-0089

TEST	METHOD	SPECIFICATION LIMIT	RESULTS
Water Content by KF	AGM20 USP <921-1a> EP 2.5.32	(b) (4)	
Residual Solvents by HS-GC-FID	R-QCM-1105		
Residue on Ignition	AGM52=35 USP <281> EP 2.4.14 JP <2.44>		
Peroxide by Photometry	R-QCM-0869		
Assigned Purity	Calculated		

Assigned Purity calculated by the following equations:

(b) (4)

Prepared by:

(b) (6)

22 Jan 2021

Date

Approved by:

(b) (6)

22 Jan 2021

Date

Approved by:

(b) (6)

22 Jan 2021

Date