

CERTIFICATE OF ANALYSIS

Product: *Methanol*, Gradient HPLC grade

Order No.: 211.03.02500.01

Batch No/Lot No: 211.03.08-G24.21

Quantity: 2.5 Lit

Date of Production: 24/07/2021

Retest Date: 24/07/2023

Row	Test Item	Specification	Results	Reference	
1	Description	Clear, colorless liquid, having a characteristic odor is flammable.	Conforms	USP40	
2	Solubility	Miscible with water, with alcohol, with ether, with benzene, & with most other organic solvents.	Conforms	USP40	
3	Identification A (IR)	According to reference standard spectrum.	Conforms	USP40 <197F>	
4	Identification B (GC)	The retention time of the major peak in chromatogram of the assay preparation corresponds to that in the chromatogram of the standard preparation as obtained in the assay.	Conforms	USP40	
5	Acidity	N.M.T 0.0005 meq/g	0.0003	Merck standard	
6	Alkalinity (as ammonia)	N.M.T 0.0005 meq/g	0.00005	Merck standard	
7	Water (KF)	N.M.T 0.05%	0.01	Merck standard	
8	Readily carbonizable substances	No discoloration develops	Conforms	USP40 <271>	
9	Nonvolatile residue	N.M.T 0.0002%	0.0002	Merck standard	
10	Acetone & aldehydes (as acetone)	N.M.T 0.003%	<0.003	USP40	
11	Readily oxidizable substances	The pink color does not completely disappear within 5 min.	Conforms	USP40	
12	Boiling point	Between (64-65) °C	65	Merck standard	
13	Assay	N.L.T 99.9 %	99.97	Merck standard	
14	Transmission	@ 220 nm	≥ 60 %	68.9	Merck standard
		@ 235 nm	≥ 83 %	89.6	
		@ 260 nm	≥ 98 %	99.3	

QC. Manager: Ms. Iravani

Qualified Person: Dr. Mojallali

Status:

Date: 26.07.2021

QC Approved

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