Certificate of Analysis

Date: 18/01/2021

TEST	METHOD	UNITS	LIMITS	RESULTS
Purity	GC	% m/m	Min 99.8	99.9
Water Content	ASTM E1064	% m/m	Max 0.05	0.05
Acidity as Acetic Acid	ASTM D1613	% m/m	Max 0.001	0.0009
Water Miscibility	ASTM D1722	-	Miscible	Miscible
Non Volatile Residue	ASTM D1353	g/ml	Max 0.001	<0.001
Appearance	ASTM E2680	-	-	Clear & FFSSM
Colour, Pt-Co	ASTM D1209	Pt-Co	Max 5	LT 5
Density @ 20°C (Vacuum)	ASTM D4052	g/ml	Min 0.785-Max 0.786	0.7851
Distillation	ASTM D1078	°C	-	
IBP			Report	82.0
DP			Report	83.0
Refractive Index@20°C	ASTM D1218	-	Min 1.376-Max 1.378	1.3772
UV Absorbance@230nm	Spectrophotometry	-	-	0.03
UV Absorbance@250nm	Spectrophotometry	-	-	0.02
UV Absorbance@270nm	Spectrophotometry	-	-	0.01
UV Absorbance@290nm	Spectrophotometry	-	-	0.005
UV Absorbance@310nm	Spectrophotometry	-	-	0.001

FFSSM – Free From Suspended Solid Matter

Notes:

Product analysis as reported by an independent third party surveyor

Re-testing is recommended 12 months from the date of the original COA to verify product quality.

SPEC Iso Propyl Alcohol

Test items	Test Method	Specification	Typical Value
Specific Gravity, 20'c	ASTM D-4052	0.784 – 0.786	0.7851
Purity, wt%	G/C	Min. 99.8	99.96
Water Content, wt ppm	ASTM D-1364	Max. 500	265
Acidity, as acetic acid, wt ppm	ASTM D-1613	Max. 5	3.4
Color, (Pt-Co Scale)	ASTM D-1209	Max. 5	3
Non-volatile Matter, wt ppm	ASTM D-1353	Max. 5	1
Water Miscibility	ASTM D-1722	Clear & Miscible	Pass
Distillation Range (760mmhg), 'c	ASTM D-1078		
IBP		Min. 81	82.2
DP		Max. 83	82.3