

Certificate of Analysis

Product	Electrosolv 227	Batch No.	: 21 06 0152
Code No.	GN1432	Manufacturing date	: 21/06/2021
		Best before	: 06/2025

Items	Descriptions	Specifications	Test Results
1	Assay	95.1 - 96.9% (v/v)	95.7% (v/v)
2	Identification	Passes test	Passes test
3	Appearance	Passes test	Passes test
4	Solubility	Passes test	Passes test
5	Acidity or alkalinity (as acetic acid)	30 ppm max.	< 30 ppm
6	Residue on Evaporation	25 ppm max.	< 25 ppm
7	Methanol (GC.)	200 ppm max.	< 200 ppm
8	Acetaldehyde and Acetal (GC.)	10 ppm max.	< 10 ppm
9	Benzene (GC.)	2 ppm max.	< 2 ppm
10	Total of other impurities	300 ppm max.	< 300 ppm
11	UV Absorbance		
	270 - 340 nm	0.10 AU max.	0.028 AU
	250 - 260 nm	0.30 AU max.	0.057 AU
	240 nm	0.40 AU max.	0.143 AU
12	Relative density @ 20 °C	0.805 - 0.812	0.808

Denatured with Denatonium benzoate 8-12 ppm and Tert Butyl Alcohol less than 0.15%.
Conforms to BP/EP/USP

This is to certify the above batch has been tested and complies with this specification.

Ladaphan

Chemist

Achan

Technical Manager