

Certificate of Analysis

Product	Propan-2-ol	Batch No.	: 21 05 0387
Grade	Extropure-MS	Manufacturing date	: 31/05/2021
Code No.	XP1292	Best before	: 05/2025

Items	Descriptions	Specifications		Test Results	
1	Assay (by GC.)	99.9%	min.	99.9%	
2	Color (APHA)	10	max.	< 10	
3	Water (by Coulometry)	0.05%	max.	0.017%	
4	Acidity (μ Eq./g.)	0.2	max.	< 0.2	
5	Alkalinity (μ Eq./g.)	0.1	max.	< 0.1	
6	Solubility in water	Passes test		Passes test	
7	Residue on Evaporation	3	ppm max.	1.2	ppm
8	Chloride (Cl)	0.2	ppm max.	< 0.2	ppm
9	Phosphate (PO_4)	0.5	ppm max.	< 0.5	ppm
10	Heavy metals (as Pb)	200	ppb max.	< 200	ppb
11	Aluminium (Al)	50	ppb max.	< 50	ppb
12	Arsenic and Antimony (as As)	10	ppb max.	< 10	ppb
13	Barium (Ba)	20	ppb max.	< 20	ppb
14	Boron (B)	10	ppb max.	< 10	ppb
15	Cadmium (Cd)	20	ppb max.	< 20	ppb
16	Calcium (Ca)	50	ppb max.	< 50	ppb
17	Chromium (Cr)	20	ppb max.	< 20	ppb
18	Cobalt (Co)	20	ppb max.	< 20	ppb
19	Copper (Cu)	10	ppb max.	< 10	ppb
20	Gallium (Ga)	30	ppb max.	< 30	ppb
21	Germanium (Ge)	30	ppb max.	< 30	ppb
22	Gold (Au)	20	ppb max.	< 20	ppb
23	Iron (Fe)	50	ppb max.	< 50	ppb
24	Lead (Pb)	20	ppb max.	< 20	ppb
25	Lithium (Li)	50	ppb max.	< 50	ppb
26	Magnesium (Mg)	20	ppb max.	< 20	ppb
27	Manganese (Mn)	20	ppb max.	< 20	ppb
28	Nickel (Ni)	10	ppb max.	< 10	ppb
29	Potassium (K)	100	ppb max.	< 100	ppb
30	Silicon (Si)	50	ppb max.	< 50	ppb
31	Silver (Ag)	20	ppb max.	< 20	ppb
32	Sodium (Na)	100	ppb max.	< 100	ppb
33	Strontium (Sr)	20	ppb max.	< 20	ppb
34	Tin (Sn)	100	ppb max.	< 100	ppb
35	Titanium (Ti)	20	ppb max.	< 20	ppb
36	Zinc (Zn)	50	ppb max.	< 50	ppb
37	Hydrocarbons Content	Passes test		Passes test	
38	Silicone oil	Free		Not detectable	
39	DOP	Free		Not detectable	
40	Amide	Free		Not detectable	
41	Particle/ml :				
	0.5 μ m and greater	50	max.	8	
	1.0 μ m and greater	8	max.	1	

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

Ladaphan

Chemist

Sehm.

Technical Manager