

Specification for 1,3 – Dioxolane	Code No. : QS /P2/FP/41
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	Revision : 01
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Sr. No.	Characteristic	Requirements	Method of Test Ref. Instruction No.
1	Description	Clear Colourless Liquid, free from extraneous matter.	Visual
2	Purity by GC, %	Min. 99.98%	TI – 10
3	Methanol by GC	Max. 100 ppm	TI – 10
4	Methylal by GC	Max. 100 ppm	TI – 10
5	Moisture Content (by KF)	Max. 500 ppm	TI – 04
6	Formaldehyde	Max. 100 ppm	TI – 311
7	Peroxide (H <sub>2</sub> O <sub>2</sub> ) content	Max. 50 ppm	TI – 08
8	Acidity (as Acetic Acid )	Max. 50 ppm	TI – 06
9	Suspended solids	No	TI – 360
10	Inhibitor	Max. 75 ppm	TI – 71
11	Sodium (Na) Content	Max. 10 ppb	ICP-MS
12	Magnesium (Mg) Content	Max. 10 ppb	ICP-MS
13	Aluminium (Al) Content	Max. 10 ppb	ICP-MS
14	Potassium (K) Content	Max. 10 ppb	ICP-MS
15	Calcium (Ca) Content	Max. 10 ppb	ICP-MS
16	Chromium (Cr) Content	Max. 10 ppb	ICP-MS
17	Manganese (Mn) Content	Max. 10 ppb	ICP-MS
18	Iron (Fe) Content	Max. 10 ppb	ICP-MS
19	Nickel (Ni) Content	Max. 10 ppb	ICP-MS
20	Copper (Cu) Content	Max. 10 ppb	ICP-MS
21	Zinc (ZN) Content	Max. 10 ppb	ICP-MS



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