

## Certificate of Analysis-COA

Product :	Glycerol formal CAS 4740-78-7	Batch No :	SC20210926
Date of Manufacture :	2021.09.26	Quantity :	1,000kg
<b>Items</b>	<b>Requirements</b>	<b>Results</b>	
Appearance	Clear colorless liquid	Conforms	
Solubility	Miscible with water and ethanol (96%)	Conforms	
Assay (GC)	≥99.0%	99.9%	
Identification	IR absorption	Conforms	
Refractive Index	1.445~1.455	1.449	
5-Hydroxy-1,3-dioxane CAS: 4740-78-7	47%~67%	56%	
4-Hydroxymethyl-1,3-dioxolane CAS: 5464-28-8	33%~53%	44%	
Relative Density	1.210~1.220	1.214	
Peroxide	≤15	0.98	
Formaldehyde (UV)	≤0.02%	0.006%	
Water (K-F)	≤0.5%	0.13%	
Heavy Metals	≤0.001%	0.0002%	
PH (10%w/v in water)	4.0~6.5	4.8	
Conclusion :	Conforms to the requirement		

Analyst: Jack Ma

Checker: Leo Xu

Q.C Director: Chase

SINCERE-CHEM

Tax ID: 91870112MA3QTLNP2E