



# CERTIFICATE OF ANALYSIS

Product Name	2,2-Bis(hydroxymethyl)propionic acid(DMPA)
Cas no	4347-03-7
Batch Number	20230819
Packing	In 25kgs net bag
Date Of Manufacture	June 19 2023
Date Of Reported	June 19 2023

This is to certify that the quality of the subject product is as follows:

Items	Specifications	Results
Appearance	White crystal	White crystal
Assay	99%min	99.36%
Water	0.3%min	0.12%
Melting Point	178-187 °C	180-1865.°C
Ash	0.03%max	0.011%
Residue Formaldehyde	0.03%max	0.011%
Acid value(mgkoh/g)	405-425	417
Hydroxyl Value (mgKOH/g)	810-860	835
Fe <sup>3+</sup> (ppm)	5 max	2
Na <sup>+</sup> (ppm)	150max	20
K <sup>+</sup> (PPM)+	10max	2
CL <sup>-</sup> (PPM)	10 max	1
SO <sub>4</sub> <sup>2-</sup> (PPM)	10 max	5
Acetone-Et <sub>3</sub> N Solube Experiment	Transparent	Transparent
Conclusion: The subject material conforms to the required standards.		

Analyst: 徐磊

Checke: 王文新

Authorized Signature & Stamps:李明

