



# CERTIFICATE OF ANALYSIS

Chemical Name:	1-Hydroxy Ethylidene-1,1-Diphosphonic Acid(HEDP) 60%	Batch Number:	1703191005
CAS Number:	2809-21-4	Manufacture Date:	2017/3/19
Quantity:	20.0MT	Expiry Date:	2018/3/19
Package	250KG/DRUM		

The above chemical was tested and the following results have been obtained:

Analysis	Standard	Results
Appearance	Colorless transparent liquid	Colorless transparent liquid
Active content( as acid) %	58.00-62.00	60.36
Phosphoric acid( as PO43-)%	0.60 MAX	0.32
Phosphorous acid(as PO33-)%	1.00 MAX	0.79
Chloride (as Cl-)%	0.01 MAX	0.0035
PH( 1% water solution)	2.00 MAX	1.68
Ca sequestration MG/G	500.00 MIN	510.30
Density(20℃) G/cm3	1.43-1.47	1.447
Fe PPM	10.00 MAX	5.41
Colour APHA (Hazen)	30.00 MAX	9.00

**CERTIFIED**

Inspector	Ms.Zhuang Bo	Checker:	Donghai Wang
Date	2017/3/19	Date	2017/3/19

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**SHANDONG TAIHE CHEMICALS CO.,LTD**