



HANGZHOU DINGYAN CHEM CO., LTD
Tel:86-571-87157530 Fax:86-571-87156470
Email:sales@dingyanchem.com

CERTIFICATE OF ANALYSIS

NO: DYC051801254

Product name	HEDP(1-Hydroxyethylidene-1, 1-Diphosphonic Acid)
CAS Number	2809-21-4
Batch number	180114-4
Manuacture Date	2018-01-14
Expiry Date	2019-01-13

Items	Standard	Result
Appearance	Colorless or pale yellow transparent liquid	Colorless transparent liquid
Active content	58-62%	60.84%
Chloride(Cl ⁻)mg/g	≤0.1	0.032
Iron(Fe)mg/L	≤10	5.87
Phosphorous acid (as PO ₃ ³⁻)	≤2.0%	0.71%
Phosphoric acid (as PO ₄ ³⁻)	≤0.8%	0.52%
PH(1% water solution)	1.5-2.0	1.69
Density(20℃) g/cm ³	≥1.40	1.447

QUALITY CONTROL: Hangzhou Dingyan Chem Co., Ltd.
Quality Control *Lucy Tang*
Signature(s)

CHECK: 姚仙娟

INSPECTOR: 刘清风