

Shanghai yuanye Bio-Technology Co., Ltd
465 Changta Road, SongJiang District, Shanghai 201604, China

Certificate of Analysis

Date of Testing: 2026-06-04 18:45:29
Date of Next Testing: 2028-06-04 18:45:29
Product Name: **Diethylenetriaminepentakis(methylphosphonic acid) solution**
CAS Number: 15827-60-8
Specifications & Purity: 50% in water
Lot #: J2416063
SKU #: **S43199**
Version: **0**
Analysis #: **427878**
Storage Temperature: Room temperature

Parameter	Limit Values	Result
phosphorous acid	0-3 (%)	2.51 %
Density (20°C)	1.35-1.45 (g/ml)	1.38 g/ml
Iron(Fe)	0-35 (ppm)	3.00 ppm
Water by Karl	30-40 (%)	36.73 %
Fischer		
Chloride (Cl-)	12-17 (%)	13.49 %
Purity (Titration by NaOH)	45-55(%)	50.51 %
PH(1% in H ₂ O)	0-2	1.40000
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Appearance(S43199)	Yellow to Very Dark Yellow and Brown-Yellow to Very Dark Brown-Yellow and Brown to Very Dark Brown Liquid or Viscous Liquid	Yellow to Very Dark Yellow and Brown-Yellow to Very Dark Brown-Yellow and Brown to Very Dark Brown Liquid or Viscous Liquid

Quality Assurance : Xiaoyong Tan
Quality Control : Yunfei Zou

