

Urea

Certificate of Analysis

Cat. No. : PT-CH35940-1KG/ PT-CH35940-5KG

Lot. No. : Z3E5032

Expiration Date: 2024.11.30

Grade: SP (Specially Prepared Reagent) for Molecular Biology

Analysis:

Test Item	Unit	Specification	Result
Purity	%	min. 99.0	99.4
Solubility in water		Clear to almost clear	passes test
Melting point	deg.C	132 - 136	134.1
Absorbance (6mol/L, water) 260nm		max. 0.04	0.001
Absorbance (6mol/L, water) 280nm		max. 0.02	0.001
Residue on ignition (sulfate)	%	max. 0.002	max. 0.002
Free cyanide (CN)	ppm	max. 0.1	max. 0.1
Total cyanogen (OCN)	ppm	max. 5	max. 5
Chloride (Cl)	ppm	max. 1	max. 1
Sulfate (SO4)	ppm	max. 5	max. 5
Sodium (Na)	ppm	max. 1	max. 1
Potassium (K)	ppm	max. 1	max. 1
Copper (Cu)	ppm	max. 0.5	max. 0.5
Magnesium (Mg)	ppm	max. 0.1	max. 0.1
Zinc (Zn)	ppm	max. 0.1	max. 0.1
Lead (Pb)	ppm	max. 0.5	max. 0.5
Iron (Fe)	ppm	max. 0.5	max. 0.5
Substances reducing fehling's reagent		passes test	passes test
RNase		none detected	passes test
DNase		none detected	passes test
Protease		none detected	passes test

Approved by: Danny Hsu

Title: QC SUPERVISOR

Date: 2024.11.05

For Research Using Only

Please do not hesitate to contact us if you have any questions.

Manufactured for and distributed by Protech Technology Enterprise Co., Ltd.

TEL: +886-2-2655-7677 / FAX: +886-2-2655-7601 / Toll Free: 0800-231-530

E-MAIL: service@bio-protech.com.tw; tech@bio-protech.com.tw

WEB: <http://www.bio-protech.com.tw>