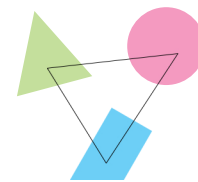




SUPERIOR QUALITY - ETHICALLY SOURCED

13202 89TH AVENUE STE 212, RICHMOND HILL, NY 11418, UNITED STATES

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**CERTIFICATE OF ANALYSIS**

Product Name	Tranexamic Acid		
Cas No	1197-18-8		
Batch Number	20230307	Manufacture Date	20230307
Report Date	20230307	Expiry Date	20250306

Item of Analysis	Specification	Results
Assay	$\geq 99.0\%$ of $C_8H_{15}NO_2$ (dried)	99.5%
Organoleptic		
Appearance	Powder	Conforms
Color	White powder, Odorless and has a bitter taste	Conforms
Physical Characteristics		
Solubility	Freely soluble in water and glacial Acetic acid; very slightly soluble in ethanol; practically insoluble in Ether, dissolves in sodium hydroxide TS	Conforms
Identification	1. Ninhydrin reaction produces a Deep purple colour 2. the dried precipitate formed with p-toluenesulfonic acid melts between $265.0^{\circ}C$ - $266.0^{\circ}C$	Conforms $265^{\circ}C$
Readily carbonizable substances	NO colour develops	Conforms
Loss on drying	$\leq 0.5\%$	0.35%
Clarity of solution	Clear and colourless	Conforms
Cis-Isomer	$\leq 0.8\%$	<0.8%
Residue on ignition	$\leq 0.10\%$	$\leq 0.03\%$
Heavy metals		
Total Heavy Metals	10ppm Max	<10ppm
Lead (Pb)	2ppm NMT	Conform
Arsenic (As)	22ppm NMT	<2ppm
Chloride	$\leq 0.014\%$	<0.014%
Microbiological Tests		
Total Plate Count	1000cfu/g Max	Conform
Yeast & Mold	100cfu/g Max	Conform

Storage: Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat. Shelf Life: 24 months if store under the conditions above and stay in original packaging.