

Product Specification

Pyridine-Barbituric Acid Reagent, for Cyanide Determination

Lot Number: SAMPLE

Product Number: 6584

Manufacture Date: N/A

Expiration Date: N/A

This reagent contains 6% (w/v) Reagent Grade Barbituric Acid, CAS No. 67-52-7, 30% (v/v) ACS Reagent Grade Pyridine, CAS No. 110-86-1, and 6% (v/v) ACS Reagent Grade Hydrochloric Acid, CAS No. 7647-01-0, in ACS Reagent Grade Water, CAS No. 7732-18-5.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Pyridine	110-86-1	ACS
Barbituric Acid	67-52-7	Reagent
Hydrochloric Acid	7647-01-0	ACS

Test	Specification	Result
Appearance	Golden yellow liquid	N/A

Specification	Reference
Pyridine-Barbituric Acid Reagent	ASTM (D 2036 D)
Pyridine-Barbituric Acid Reagent	APHA (4500-CN- K)
Pyridine-Barbituric Acid Reagent	APHA (4500-CN- E)
Pyridine-Barbituric Acid Reagent	APHA (4500-CN- H)
Pyridine-Barbituric acid reagent	EPA (SW-846) (9014)
Pyridine-Barbituric Acid Reagent	EPA (SW-846) (9012A)
Pyridine-Barbituric Acid Reagent	EPA (335.3)
Pyridine-Barbituric Acid Reagent	EPA (335.2)
Pyridine-Barbituric Acid Reagent	ASTM (D 2036 B)
Pyridine-Barbituric Acid Reagent	ASTM (D 2036 A)
Pyridine-Barbituric Acid Reagent	ASTM (D 2036 C)
Pyridine-Barbituric Acid Reagent	ASTM (D 4165)
Pyridine-Barbituric Acid Reagent	ASTM (D 4282)
Pyridine-Barbituric Acid Reagent	ASTM (D 2036 A1)

Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
6584-4	120 mL amber glass	3 months
6584-32	1 L amber glass	3 months
6584-16	500 mL amber glass	3 months

Recommended Storage: 2°C - 8°C (36°F - 46°F)

This Certificate of Analysis is designed to comply with ISO Guide 31 "Reference Materials -- Contents of Certificates and Labels."