

Product Specifications

**Dextromethorphan Hydrobromide
USP, EP**

Product No. BZ-103

CAS # 6700-34-1
Molecular Formula: $C_{18}H_{25}NO \cdot HBr \cdot H_2O$
Molecular Weight: 370.33

Description

A practically white crystal or crystalline powder that is freely soluble in ethanol and chloroform. It is sparingly soluble in water and insoluble in ether.

Specifications

GMP Manufactured Product

Meets USP Requirements
Meets EP Chemical Specifications

Test Item	Specification
Appearance	Practically white crystals or crystalline powder
Identification A	Conforms
Identification B	≤ 3.0%
Identification C	Conforms
Specific Rotation A	≤ 1.0%
Specific Rotation B	+28 - +30°
Clarity of Solution	Clear and colorless
pH (1% Solution)	5.2 – 6.5
Acidity or Alkalinity	≤ 0.4 mL of 0.01M HCl consumed
Water (by KF)	4.0 – 5.5%
Related Substances	
Impurities A,B,C,D	≤ 0.5%
Among Impurities A,B,C,D	≤ 0.25%
Unspecified impurities	≤ 0.10%
Total impurities	≤ 1.0%
Residue on Ignition	≤ 0.1%
N,N-Dimethylaniline	≤ 0.001%

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Dextromethorphan Hydrobromide

Product Specifications

Test Item	Specification
Phenolic Compounds	Conforms
Assay A (by HPLC) (calculated on anhydrous basis)	98.0 – 102.0%
Assay B (by titration) (calculated on anhydrous basis)	99.0 – 101.0%
Residual Solvents	
Methanol	≤ 200 ppm
Toluene	≤ 200 ppm
Acetone	≤ 200 ppm
Particle Size Distribution	
D10	≤ 10.0 μm
D50	≤ 30.0 μm
D90	≤ 100.0 μm

Country of Origin

China

Storage

Preserve in tight containers, protected from light.

Production quantities as well as small quantities for research and development use are available. Please contact us at 203-235-7989 (toll-free at 800-243-3768) or by e-mail at contact@brandnu.com to request samples and pricing.

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