



**Catalog Number(s):** VWRBK876-1KG; VWRBK876-2.5KG; VWRB876-12KG;  
VWRBK876-100LB; VWRBK876-200LB

**Catalog description:** DEXTROSE ANHYDROUS

**Grade:** USP/EP/BP/JP/ENDOTOXIN TESTED

**Formula:** C<sub>6</sub>H<sub>12</sub>O<sub>6</sub>

**Formula Weight:** 180.16

**CAS Number:** 50-99-7

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Characteristics	Specifications
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**USP Specifications:**

Acidity.....	PASS
Arsenic <211> .....	≤ 1 µg/g
Endotoxins.....	≤ 2.5EU/g
Chloride <221>.....	≤ 0.018%
Color of Solution.....	PASS
Dextrin (USP) .....	PASS
Heavy Metals <231> .....	≤ 5µg/g
Identification A (USP).....	PASS
Residue on Ignition <281> .....	≤ 0.1%
Soluble Starch, Sulfite.....	PASS
Specific Rotation <781S>.....	+52.6° - +53.2°
Sulfate <221> .....	≤ 0.025%
Water Determination <921> .....	≤ 0.5%

**EP and BP Specifications:**

Appearance of Solution.....	PASS
Assay (anhydrous substance).....	97.5% - 102.0%
Conductivity (2.2.38) .....	≤ 20µS/cm
Dextrin .....	PASS
Identification A (Specific Optical Rotation) .....	+52.5° - +53.3°
Identification B.....	PASS
Identification E (Water).....	≤ 1.0%
Related Substances (Disregard Limit) .....	≤ 0.05%
Related Substances (Impurity C) .....	≤ 0.2%
Related Substances (Impurity D) .....	≤ 0.15%
Related Substances (Sum of Impurities A and B).....	≤ 0.4%
Related Substances (Total).....	≤ 0.5%
Related Substances (Unspecified Impurities) .....	≤ 0.10%
Soluble Starch, Sulfite.....	≤ 15ppm
Water.....	≤ 1.0%

**Characteristics cont'd**

**Specifications**

**JP Specifications:**

Acidity (JP) .....	PASS
Arsenic <1.11> .....	≤ 1.3ppm
Assay (dried) .....	≥ 99.5%
Chloride <1.03> .....	≤ 0.018%
Clarity and Color of Solution .....	PASS
Dextrin (JP) .....	PASS
Heavy Metals (JP) .....	≤ 4ppm
Identification (JP) .....	PASS
Loss on Drying <2.41> .....	≤ 1.0%
Residue on Ignition <2.44> .....	≤ 0.1
Soluble Starch, Sulfite .....	PASS
Sulfate <1.14> .....	≤ 0.024%

**Additional Information**

Country of Origin ..... USA

Material is of non-animal, non-human origin

Storage Conditions..... 15°C to 30°C