



# Product Specification



Material	VWRBK876-12KG
Material description	Dextrose anhydrous
Grade	Ph.Eur./USP/BP/JP/ENDOTOXIN TESTED
CAS Number	50-99-7
Molecular formula	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>
Molecular mass	180.16
Storage	Store between 15 °C and 30 °C.
Additional information	

## Characteristics

## Specifications

Appearance	White powder
JP specifications:	.
Assay (calculated on anhydrous) [JP]	97.5 - 102.0 %
Identification 1	Passes test JP
Identification 2	Passes test JP
Clarity and color of solution	Passes test JP
Related substances:	Passes test JP
Disregard limit [JP]	≤ 0.05 %
Maltose and isomaltose [JP]	≤ 0.4 %
Maltotriose [JP]	≤ 0.2 %
Fructose [JP]	≤ 0.15 %
Unspecified impurities [JP]	≤ 0.10 %
Total impurities [JP]	≤ 0.5 %
Dextrin	Passes test JP
Soluble starch, sulfites	Passes test JP
Conductivity [JP]	≤ 20 μS/cm
Water [JP]	≤ 1.0 %
Ph.Eur./BP specifications:	.
Assay (calc. on anhydrous) [Ph.Eur./BP]	97.5 - 102.0 %
Identif.A (optical rotation)[Ph.Eur./BP]	52.5 - 53.3 °
Identification B	Passes test Ph.Eur./BP
Identification E (Water) [Ph.Eur./BP]	≤ 1.0 %
Appearance of solution	Passes test Ph.Eur./BP
Dextrin	Passes test Ph.Eur./BP
Conductivity [Ph.Eur./BP]	≤ 20 μS/cm
Soluble starch, sulfites [Ph.Eur./BP]	≤ 15 ppm
Water [Ph.Eur./BP]	≤ 1.0 %
Related substances:	Passes test Ph.Eur./BP

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**For further manufacturing use only. Not for use as an Active Pharmaceutical Ingredient.**



Characteristics	Specifications
Disregard limit [Ph.Eur./BP]	≤ 0.05 %
Impurity C [Ph.Eur./BP]	≤ 0.2 %
Impurity D [Ph.Eur./BP]	≤ 0.15 %
Sum of impurities A and B [Ph.Eur./BP]	≤ 0.4 %
Total impurities [Ph.Eur./BP]	≤ 0.5 %
Unspecified impurities [Ph.Eur./BP]	≤ 0.10 %
USP specifications:	.
Assay (calculated on anhydrous) [USP]	97.5 - 102.0 %
Identification A	Passes test USP
Identification B	Passes test USP
Identification C (Water) [USP]	≤ 1.0 %
Related substances:	Passes test USP
Maltose and isomaltose [USP]	≤ 0.4 %
Maltotriose [USP]	≤ 0.2 %
Fructose [USP]	≤ 0.15 %
Unspecified impurities [USP]	≤ 0.10 %
Total impurities [USP]	≤ 0.5 %
Clarity and color of solution	Passes test USP
Conductivity (25°C) [USP]	≤ 20 μS/cm
Dextrin	Passes test USP
Soluble starch, sulfites [USP]	≤ 15 ppm
Bacterial endotoxins	≤ 2.5 EU/g

## Signature

We certify that this batch conforms to the specifications listed above.

This document has been produced electronically and is valid without a signature.

Naresh Boddu, Head of Laboratory - Aurora  
 VWR Chemicals, LLC, 220 Lena Dr., Aurora, OH 44202,  
 USA

## Additional information

No Class 1, 2, 3 or other residual solvents are present.

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