



Material	VWRBK876-2.5KG
Material description	Dextrose anhydrous
Grade	Ph.Eur./USP/BP/JP/ENDOTOXIN TESTED
Lot	17B145204
Expiration Date	2019 Apr 28
CAS Number	50-99-7
Molecular formula	C6H12O6
Molecular mass	180.16
Date of manufacture	2016 Apr 28
Made in	USA
Storage	Store between 15° C and 30° C.
Supplier	51403
Additional information	

Characteristics	Specifications	Measured values
Appearance	White powder	White powder
JP specifications:	.	.
Assay (calculated on dried basis) [JP]	Min. 99.5 %	100.6 %
Acidity	Passes test JP	Passes test JP
Clarity and color of solution	Passes test JP	Passes test JP
Dextrin	Passes test JP	Passes test JP
Identification	Passes test JP	Passes test JP
Soluble starch, sulfites	Passes test JP	Passes test JP
Heavy metals (as Pb) [JP]	Max. 4 ppm	Max. 4 ppm
Loss on drying [JP]	Max. 1.0 %	0.1 %
Residue on ignition [JP]	Max. 0.1 %	< 0.1 %
Cl (Chloride) [JP]	Max. 0.018 %	Max. 0.018 %
SO4 (Sulphate) [JP]	Max. 0.024 %	Max. 0.024 %
As (Arsenic) [JP]	Max. 1.3 ppm	Max. 1.3 ppm
Ph.Eur./BP specifications:	.	.
Assay (calc. on anhydrous) [Ph.Eur./BP]	97.5 --> 102.0 %	99.7 %
Identif.A (optical rotation)[Ph.Eur./BP]	52.5 --> 53.3 °	52.6 °
Identification B	Passes test Ph.Eur./BP	Passes test Ph.Eur./BP
Identification E (Water) [Ph.Eur./BP]	Max. 1.0 %	0.1 %
Appearance of solution	Passes test Ph.Eur./BP	Passes test Ph.Eur./BP
Dextrin	Passes test Ph.Eur./BP	Passes test Ph.Eur./BP
Conductivity [Ph.Eur./BP]	Max. 20 µS/cm	1 µS/cm
Soluble starch, sulfites [Ph.Eur./BP]	Max. 15 ppm	Max. 15 ppm
Water [Ph.Eur./BP]	Max. 1.0 %	0.1 %
Related substances:	Passes test Ph.Eur./BP	Passes test Ph.Eur./BP
Disregard limit [Ph.Eur./BP]	Max. 0.05 %	Max. 0.05 %
Impurity C [Ph.Eur./BP]	Max. 0.2 %	Max. 0.2 %
Impurity D [Ph.Eur./BP]	Max. 0.15 %	Max. 0.15 %

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Characteristics	Specifications	Measured values
Sum of impurities A and B [Ph.Eur./BP]	Max. 0.4 %	Max. 0.4 %
Total impurities [Ph.Eur./BP]	Max. 0.5 %	Max. 0.5 %
Unspecified impurities [Ph.Eur./BP]	Max. 0.10 %	Max. 0.10 %
USP specifications:	.	.
Assay (calculated on anhydrous) [USP]	97.5 --> 102.0 %	99.7 %
Identification A	Passes test USP	Passes test USP
Identification B	Passes test USP	Passes test USP
Identification C (Water) [USP]	Max. 1.0 %	0.1 %
Related substances:	Passes test USP	Passes test USP
Maltose and isomaltose [USP]	Max. 0.4 %	Max. 0.4 %
Maltotriose [USP]	Max. 0.2 %	Max. 0.2 %
Fructose [USP]	Max. 0.15 %	Max. 0.15 %
Unspecified impurities [USP]	Max. 0.10 %	Max. 0.10 %
Total impurities [USP]	Max. 0.5 %	Max. 0.5 %
Heavy metals (as Pb) [USP]	Max. 5 µg/g	Max. 5 µg/g
Clarity and colour of solution	Passes test USP	Passes test USP
Conductivity (25°C) [USP]	Max. 20 µS/cm	1 µS/cm
Dextrin	Passes test USP	Passes test USP
Soluble starch, sulfites	Passes test USP	Passes test USP
Bacterial endotoxins	Max. 2.5 EU/g	Passes test

Signature

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

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

Anand Matta, Head of Laboratory - Aurora
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Additional information

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

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