



Certificate of Analysis



Material	VWRB241-12KG
Material description	Sodium chloride
Grade	Ph.Eur./USP/BP/JP/ENDOTOXIN TESTED
Lot	19H265208
Expiration Date	2023 Apr 25
CAS Number	7647-14-5
Molecular formula	NaCl
Molecular mass	58.44
Date of manufacture	2019 Apr 25
Made in	USA
Storage	Store between 15 °C and 30 °C.
Supplier	51270
Additional information	

Characteristics	Specifications	Measured values
Appearance:	.	.
Fine white granular powder	Passes test	Passes test
BP specifications:	.	.
Assay (calculated on dried) [BP]	99.0 --> 100.5 %	100.4 %
Identification A	Passes test BP	Passes test BP
Identification B	Passes test BP	Passes test BP
Appearance of solution	Passes test BP	Passes test BP
Acidity or alkalinity	Passes test BP	Passes test BP
Br (Bromide) [BP]	Max. 100 ppm	Max. 100 ppm
Ferrocyanides	Passes test BP	Passes test BP
I (Iodide)	Passes test BP	Passes test BP
NO ₂ (Nitrite)	Passes test BP	Passes test BP
PO ₄ (Phosphate) [BP]	Max. 25 ppm	Max. 25 ppm
SO ₄ (Sulphate) [BP]	Max. 200 ppm	Max. 200 ppm
Al (Aluminium) [BP]	Max. 0.2 ppm	Max. 0.2 ppm
As (Arsenic) [BP]	Max. 1 ppm	Max. 1 ppm
Ba (Barium)	Passes test BP	Passes test BP
Fe (Iron) [BP]	Max. 2 ppm	Max. 2 ppm
K (Potassium) [BP]	Max. 500 ppm	Max. 500 ppm
Mg and alkaline earth metals(as Ca) [BP]	Max. 100 ppm	Max. 100 ppm
Loss on drying (105°C; 2 h) [BP]	Max. 0.5 %	0.1 %
JP specifications:	.	.
Assay (calculated on dried) [JP]	99.0 --> 100.5 %	100.4 %
Identification 1	Passes test JP	Passes test JP
Identification 2	Passes test JP	Passes test JP
Clarity and color of solution	Passes test JP	Passes test JP
Acidity or alkalinity	Passes test JP	Passes test JP
Br (Bromide) [JP]	Max. 100 ppm	Max. 100 ppm

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



Characteristics	Specifications	Measured values
Ferrocyanides	Passes test JP	Passes test JP
I (Iodide)	Passes test JP	Passes test JP
PO4 (Phosphate) [JP]	Max. 25 ppm	Max. 25 ppm
SO4 (Sulphate) [JP]	Max. 200 ppm	Max. 200 ppm
As (Arsenic) [JP]	Max. 2 ppm	Max. 2 ppm
Ba (Barium)	Passes test JP	Passes test JP
Fe (Iron) [JP]	Max. 2 ppm	Max. 2 ppm
Mg and alkaline earth metals(as Ca) [JP]	Max. 100 ppm	Max. 100 ppm
Heavy metals (as Pb) [JP]	Max. 3 ppm	Max. 3 ppm
Loss on drying (105°C; 2 h) [JP]	Max. 0.5 %	0.1 %
Ph.Eur. specifications:	.	.
Assay (calculated on dried) [Ph.Eur.]	99.0 --> 100.5 %	100.4 %
Identification A	Passes test Ph.Eur.	Passes test Ph.Eur.
Identification B	Passes test Ph.Eur.	Passes test Ph.Eur.
Appearance of solution	Passes test Ph.Eur.	Passes test Ph.Eur.
Acidity or alkalinity	Passes test Ph.Eur.	Passes test Ph.Eur.
Br (Bromide) [Ph.Eur.]	Max. 100 ppm	Max. 100 ppm
Ferrocyanides	Passes test Ph.Eur.	Passes test Ph.Eur.
I (Iodide)	Passes test Ph.Eur.	Passes test Ph.Eur.
NO2 (Nitrite)	Passes test Ph.Eur.	Passes test Ph.Eur.
PO4 (Phosphate) [Ph.Eur.]	Max. 25 ppm	Max. 25 ppm
SO4 (Sulphate) [Ph.Eur.]	Max. 200 ppm	Max. 200 ppm
Al (Aluminium) [Ph.Eur.]	Max. 0.2 ppm	Max. 0.2 ppm
As (Arsenic) [Ph.Eur.]	Max. 1 ppm	Max. 1 ppm
Ba (Barium)	Passes test Ph.Eur.	Passes test Ph.Eur.
Fe (Iron) [Ph.Eur.]	Max. 2 ppm	Max. 2 ppm
K (Potassium) [Ph.Eur.]	Max. 500 ppm	Max. 500 ppm
Mg and alk. earth metals(as Ca)[Ph.Eur.]	Max. 100 ppm	Max. 100 ppm
Loss on drying (105°C; 2 h) [Ph.Eur.]	Max. 0.5 %	0.1 %
USP specifications:	.	.
Assay (calculated on dried basis) [USP]	99.0 --> 100.5 %	100.4 %
Identification A	Passes test USP	Passes test USP
Identification B	Passes test USP	Passes test USP
Appearance of solution	Passes test USP	Passes test USP
Acidity or alkalinity	Passes test USP	Passes test USP
Br (Bromide) [USP]	Max. 100 ppm	Max. 100 ppm
Ferrocyanides	Passes test USP	Passes test USP
I (Iodide)	Passes test USP	Passes test USP
NO2 (Nitrite)	Passes test USP	Passes test USP
PO4 (Phosphate) [USP]	Max. 25 ppm	Max. 25 ppm
SO4 (Sulphate) [USP]	Max. 200 ppm	Max. 200 ppm
Al (Aluminium) [USP]	Max. 0.2 ppm	Max. 0.2 ppm

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Characteristics	Specifications	Measured values
As (Arsenic) [USP]	Max. 1 ppm	Max. 1 ppm
Ba (Barium)	Passes test USP	Passes test USP
Fe (Iron) [USP]	Max. 2 ppm	Max. 2 ppm
K (Potassium) [USP]	Max. 500 ppm	Max. 500 ppm
Mg and alkaline earth metals(as Ca)[USP]	Max. 100 ppm	Max. 100 ppm
Loss on drying (105°C; 2 h) [USP]	Max. 0.5 %	0.1 %
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.

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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