

Product Specification

Meets E.P. Chemical Specifications, Meets B.P. Chemical Specifications, Meets N.F. Requirements, Meets J.P. Chemical Specifications, GMP Manufactured Product

Test	Specification
NF – Assay ($\text{Na}_2\text{B}_4\text{O}_7 \cdot 10\text{H}_2\text{O}$)	99.0 – 105.0 %
NF – Carbonate and Bicarbonate	Passes Test
NF – Identification A	Passes Test
NF – Identification B	Passes Test
EP/BP – Assay ($\text{Na}_2\text{B}_4\text{O}_7 \cdot 10\text{H}_2\text{O}$)	99.0 – 103.0 %
EP/BP – Identification A	Passes Test
EP/BP – Identification B	Passes Test
EP/BP – Identification C	Passes Test
EP/BP – Appearance of Solution	Passes Test
EP/BP – pH of 4% Solution at 25°C	9.0 – 9.6
EP/BP – Sulfate (SO_4)	≤ 50 ppm
EP/BP – Ammonium (NH_4)	≤ 10 ppm
EP/BP – Arsenic (As)	≤ 5 ppm
EP/BP – Calcium (Ca)	≤ 100 ppm
JP – Assay ($\text{Na}_2\text{B}_4\text{O}_7 \cdot 10\text{H}_2\text{O}$)	99.0 – 103.0 %
JP – Arsenic (As)	≤ 5 ppm
JP – Identification A	Passes Test
JP – Identification B	Passes Test
JP – pH (1 in 20)	9.1 – 9.6
JP – Clarity and Color of Solution	Passes Test
JP – Carbonate and Bicarbonate	Passes Test
JP – Heavy Metals (as Pb)	≤ 20 ppm

Sodium Borate, 10-Hydrate
NF – GenAR®
Suitable for Use in Biotechnology



Material No.: 7792-88

Test

Specification

GMP Manufactured Product

Bulk Pharmaceutical Chemical

CAUTION: For Manufacturing, processing or repackaging

Appearance (colorless, efflorescent, crystals or crystalline masses or white crystalline powder)

No Class 1,2,3 or other solvents are used or produced in the manufacturing or purification of the product.

Elemental Impurities (USP 232, EP 5.20) – Information on elemental impurities for this product is available on the associated Product Regulatory Data Sheet and elemental impurity profile report.

Storage Condition: Preserve in Tight Containers

Packaging Site: Paris Mfg Ctr & DC

Jamie Ethier
Vice President Global Quality

For questions on this Product Specification please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700