



Sodium Bicarbonate - Elemental Impurity Statement

Genesis Alkali is compliant with the USP Elemental Impurities chapter <232>, which replaced the Heavy Metals Test. The changes in testing are reported on Certificates of Analysis (COA).

USP class 1 and class 2A elemental impurities in Genesis Sodium Bicarbonate are present below Permitted Daily Exposure (PDE) levels for oral applications. None of the elemental impurities listed in the USP are intentionally added during the production of USP sodium bicarbonate.

Table 1. USP Elemental Impurity Specifications for Oral Applications

Element	Specification (ppm)-Oral	Element	Specification (ppm)- Oral
Cadmium	0.5	Rhodium	10
Lead	0.5	Ruthenium	10
Arsenic	1.5	Chromium	1100
Mercury	3	Molybdenum	300
Iridium	10	Nickel	20
Osmium	10	Vanadium	10
Palladium	10	Copper	300
Platinum	10		

Note: Genesis analyzes the following elemental parameters on a routine basis: vanadium, cobalt, nickel, arsenic, cadmium, mercury, and lead. However, only cadmium, lead, and mercury will be reported on the COA, along with the arsenic pass/fail test results.

Read the product Safety Data Sheet (SDS) prior to using the chemical.

Genesis Alkali, LLC
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