



June 12, 2018

Re: **Elemental Impurity Content of Genesis Alkali Sodium Bicarbonate**

Dear Valued Customer:

This letter is to confirm that effective January 1, 2018; Genesis Alkali is compliant with the new USP Elemental Impurities chapter <232>, which replaces the Heavy Metals Test. The changes in testing are reported on Certificates of Analysis (COA). There are no changes to the USP Sodium Bicarbonate Monograph testing, only the general chapter cited above.

USP class 1 and class 2A elemental impurities in Genesis Sodium Bicarbonate are present well 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.

Note: Genesis will be analyzing 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.

Please contact me if you have any questions.

Sincerely,

Michael Kemmerer
Regulatory/QA Manager
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