## ANALYSIS | SPECIFICATION | RESULTS
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Physical Examination | **Powder**: White solid which contains no foreign matter | Pass

TLC (45:35:7.7:2.3 Chloroform; Methanol; Water; Ammonium Hydroxide) | >99% Purity<br>Ninhydrin: negative<br>Iodine: one major spot<br>Phosphorus: positive<br>Charring: positive<br>Water dip: one major spot | All Pass

UV Oxidation | NMT 5% total all wavelengths | 2% total

Proton NMR | NMR spectrum consistent with structure | Consistent with structure

Phosphorus NMR | NMR spectrum consistent with structure | Consistent with structure

Calcium (ICP/MS) | NMT 500ppm | None Detected

Mass Spectroscopy | \([M-3\text{NH}_4+2\text{H}]^+ = 1045.385 \pm 1 \text{ amu}\)<br>\([M-3\text{NH}_4+\text{H}]^2+ = 522.193 \pm 1 \text{ amu}\) (predominant species) | \([M-3\text{NH}_4+2\text{H}]^+ = 1046.1 \text{ amu}\)<br>\([M-3\text{NH}_4+\text{H}]^2+ = 522.6 \text{ amu}\) (predominant species)