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Product Specifications

Catalogue Number	50923
Product	Calcium phosphate tribasic, Granular, Microbial tested, Aerobic plate count: $\leq 10^3$ cfu/g, Yeast and Mold count: $\leq 10^2$ cfu/g, Total Coliforms: Negative
CAS Number	Calcium hydroxyphosphate 1306-06-5
Molecular Formula	$\text{Ca}_5\text{HO}_{13}\text{P}_3$
Molecular Weight	502.31
Appearance	White, granular
Heavy Metals	≤ 31 ppm
Anion	Fluoride (F-) : ≤ 75 ppm, Chloride (Cl-) : $\leq 0.14\%$ (NF), Chloride (Cl-) : $\leq 0.15\%$ (EP), Chloride (Cl-) : $\leq 0.248\%$ (JPE), Sulfate (SO42-) : $\leq 0.8\%$ (NF), Sulfate (SO42-) : $\leq 0.5\%$ (EP) Sulfate (SO42-) : $\leq 0.200\%$ (JPE), Barium (B-) : To pass test (NF) Barium (B-) : To pass test (JPE), Nitrate (NO2-) : To pass test
Cation	Iron (Fe) : ≤ 400 ppm Arsenic (As) : ≤ 2 ppm Lead (Pb) : ≤ 1 ppm
Carbonate	To pass test (NF/JPE)
Loss on Drying	$\leq 5.0\%$ (JPE)
Identification	Test A (NF) : To pass test Test B (NF) : To pass test Test A (EP) : To pass test Test B (EP) : To pass test Test C (EP) : To pass test Test 1 (JPE) : To pass test Test 2 (JPE) : To pass test
Acid Insoluble Matter	$\leq 0.2\%$ (EP)
Loss on ignition	$\leq 8.0\%$ (NF/EP)
Microbial test	Aerobic Plate Count : ≤ 1000 cfu/g Yeast and Mold Count : ≤ 100 cfu/g Total Coliforms : Negative

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Acid Insoluble Substances	$\leq 0.2\%$ (NF) $\leq 0.05\%$ (JPE)
Dibasic Salt	13.0 - 14.3 mL/g (CaO)
Soluble	$\leq 0.5\%$ (water)
Assay	34.0 - 40.0% (NF) 37.9 - 40.0% (dried basis, NF) 35.0 - 40.0% (EP) $\geq 95.0\%$ (JPE)
Grade	NF/EP/JPE Granular
Storage	Store at RT

For Laboratory Use Only