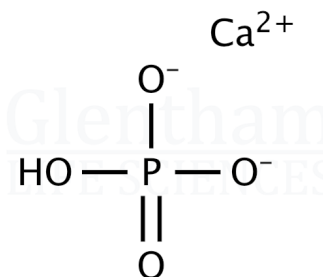


## Certificate of Analysis

Product Name	Calcium phosphate dibasic, anhydrous, EP, USP grade
Glentham Code	GL2117
CAS Number	7757-93-9
EINECS	231-826-1
MDL Number	MFCD00010909
Additional CAS	7789-77-7 ( $\cdot 2\text{H}_2\text{O}$ )
PubChem SID	310269226
Batch Number	323IPG
Molecular Weight	136.06
Molecular Formula	$\text{CaH}_2\text{O}_4\text{P}$
Storage Temp.	+20°C



Property	Specification	Batch 323IPG
Physical Description	White powder	Conforms
Identification	According to EP, USP	Conforms
Assay	98.0 - 103.0 % ( $\text{CaHPO}_4$ )	Conforms
Loss on Ignition	7.0 - 8.5 % (800°C)	7.1%
Loss on Drying	$\leq 2.0\%$ (200°C, 3h)	Conforms
pH (10% in water)	6.0 - 7.5	6.6
Aluminium (Al)	$\leq 200\text{ppm}$	Conforms
Arsenic (As)	$\leq 1\text{ppm}$	Conforms
Lead (Pb)	$\leq 0.25\text{ppm}$	0.19ppm
Cadmium (Cd)	$\leq 1\text{ppm}$	$\leq 0.5\text{ppm}$
Iron (Fe)	$\leq 400\text{ppm}$	Conforms
Mercury (Hg)	$\leq 1\text{ppm}$	Conforms
Heavy Metals (as Pb)	$\leq 30\text{ppm}$	Conforms
Barium Test	According to EP, USP	Conforms
Chloride (Cl)	$\leq 0.25\%$	$\leq 0.248\%$
Fluoride (F)	$\leq 50\text{ppm}$	Conforms
Sulphate	$\leq 0.2\%$	Conforms
Carbonate Test	According to EP, USP	Conforms
HCl Insolubles	$\leq 0.2\%$	Conforms
Pharmacopoeia Specification(s)	EP, USP	Conforms

Specification Version	v1.0
Manufacture Date	2021-01-23
Re-Test Date	2028-09-01

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check [www.glentham.com](http://www.glentham.com) or contact us using the details above for the current version of this document.

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