TABRIZ PHARMA
Tabriz Chemical and Pharmaceutical Ind.

Physico-Chemical Specification Of Product

Calcium carbonate(heavy)

Name / Internal code: Calcium carbonate (3202032)
Sampling SOP: SOP/QC-027
Precaution: SDS/PR-001
Testing SOP: SOP/QC-088
Specification code: QC/h-CAC -007
Validity date: 1 years

No.	Chemical Analysis	Specifications	Reference
01	Characteristics	A white , microcrystalline powder	USP2024
02	Identification	According to USP requirements	USP2024
03	Solubility	Practically insoluble in water. Its solubility in water is increased by the presence of any ammonium salt or of carbon dioxide. The presence of any alkali hydroxide reduces its solubility. Insoluble in alcohol. Dissolves with effervescence in 1 N acetic acid, in 3 N hydrochloric acid, and in 2 N nitric acid	USP2024
04	Acid- insoluble substances	Max. 0.2%	USP2024
05	Barium	According to USP requirements	USP2024
06	Arsenic	Max. 3 ppm	USP2024
07	Fluoride	Max. 50 ppm	USP2024
08	Iron	Max. 0.1 %	USP2024
09	Lead	Max. 3 ppm	USP2024
10	Magnesium & alkali salts	Max. 1.0 %	USP2024
11	Mercury	Max. 0.5 ppm	USP2024
12	Loss on drying	Max. 2.0 %	USP2024
13	Assay	98.0-100.5 %	USP2024

Additional test:

No.	Chemical Analysis	Specifications	Reference
01	Bulk Density	0.9-1.5 g/cm^3	In house – USP2024
02	Passed Through 50 mesh	Min. 90.0%	In house
03	Passed Through 100 mesh	40.0-60.0%	In house
04	Passed Through 200 mesh	Max. 15.0%	In house

Remark: Not Applicable

Packing and Storage: keep in well-closed container & dry place

QC Manager : 14.03.2024

QA Manager: 14.03.2024

QA APPROVED
By:
Date: 14.03.2024

Iran ,Tabriz - 9 km toward Tehran road .Tabriz Chemical and Pharmaceutical Industry.
Telfax: +98-41-51203000 www.tabrizpharma.com