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ANNEX

E 450 (vi) DICALCIUM DIPHOSPHATE

Synonyms	Calcium pyrophosphate
Definition	
Einecs	232-221-5
Chemical name	Dicalcium diphosphate Dicalcium pyrophosphate
Chemical formula	Ca ₂ P ₂ O ₇
Molecular weight	254,12
Assay	Content not less than 96 % P ₂ O ₅ content not less than 55 % and not more than 56 %
Description	A fine, white, odourless powder
Identification	
Test for calcium	Passes test
Test for phosphate	Passes test
Solubility	Insoluble in water. Soluble in dilute hydrochloric and nitric acids
pH	Between 5,5 and 7,0 (10 % suspension in water)
Purity	
Loss on ignition	Not more than 1,5 % (800 °C ± 25 °C, 30 minutes)
Fluoride	Not more than 50 mg/kg (expressed as fluorine)
Arsenic	Not more than 1 mg/kg
Cadmium	Not more than 1 mg/kg
Lead	Not more than 1 mg/kg
Mercury	Not more than 1 mg/kg

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