

ANNEX I

E 529 CALCIUM OXIDE

Synonyms	Burnt lime
Definition	
Chemical name	Calcium oxide
Einecs	215-138-9
Chemical formula	CaO
Molecular weight	56,08
Assay	Content not less than 95,0 % on the ignited basis
Description	Odourless, hard, white or greyish white masses of granules, or white to greyish powder
Identification	
A. Positive test for alkali and for calcium	
B. Heat is generated on moistening the sample with water	
C. Solubility	Slightly soluble in water. Insoluble in ethanol. Soluble in glycerol
Purity	
Loss on ignition	Not more than 10,0 % (ca 800 °C to constant weight)
Acid insoluble matter	Not more than 1,0 %
Barium	Not more than 300 mg/kg
Magnesium and alkali salts	Not more than 1,5 %
Fluoride	Not more than 50 mg/kg
Arsenic	Not more than 3 mg/kg
Lead	Not more than 10 mg/kg