

**Changes to legislation:** There are currently no known outstanding effects for the Commission Regulation (EU) No 231/2012, E 507 HYDROCHLORIC ACID. (See end of Document for details)

## ANNEX

**E 507 HYDROCHLORIC ACID**

<b>Synonyms</b>	Hydrogen chloride; Muriatic acid
Definition	
Einecs	231-595-7
Chemical name	Hydrochloric acid
Chemical formula	HCl
Molecular weight	36,46
Assay	Hydrochloric acid is commercially available in varying concentrations. Concentrated hydrochloric acid contains not less than 35,0 % HCl
<b>Description</b>	Clear, colourless or slightly yellowish, corrosive liquid having a pungent odour
Identification	
Test for acid	Passes test
Test for chloride	Passes test
Solubility	Soluble in water and in ethanol
Purity	
Total organic compounds	Total organic compounds (non-fluorine containing): not more than 5 mg/kg Benzene: not more than 0,05 mg/kg Fluorinated compounds (total): not more than 25 mg/kg
Non-volatile matter	Not more than 0,5 %
Reducing substances	Not more than 70 mg/kg (as SO <sub>2</sub> )
Oxidising substances	Not more than 30 mg/kg (as Cl <sub>2</sub> )
Sulphate	Not more than 0,5 %
Iron	Not more than 5 mg/kg
Arsenic	Not more than 1 mg/kg
Lead	Not more than 1 mg/kg
Mercury	Not more than 1 mg/kg

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