

**O1790HH Gold Line**

dihydrate

**Typical analysis**

Assay	98%
Chloride (Cl)	0.01%
Iron (Fe)	0.001%
Lead (Pb)	0.01%
Residue on ignition	0.05%

**Packaging**

500g white plastic jar

**O1791HH Platinum Line**

dihydrate

**Warranty certificate**

Assay (Oxidimetric)	min 99,5%
Calcium (Ca)	0.001%
Chloride (Cl)	0.0005%
Copper (Cu)	0.0005%
Iron (Fe)	0.0002%
Lead (Pb)	0.0001%
Magnesium (Mg)	0.0001%
Nickel (Ni)	0.0005%
Residue on ignition	0.01%
Sodium (Na)	0.0002%
Sulphate (SO <sub>4</sub> )	0.0002%
Water-insoluble matter	0.005%

**Packaging**

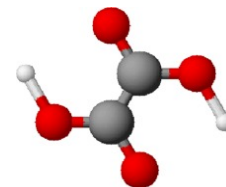
500g white plastic jar

**O1795NN Platinum Line**

0.1N solution

**Warranty certificate**

Standardised against potassium permanganate

**Packaging**

500ml clear plastic bottle

**Physical properties, composition and data**

Chemical formula	(COOH) <sub>2</sub> ·2H <sub>2</sub> O or H <sub>2</sub> C <sub>2</sub> O <sub>4</sub> ·2H <sub>2</sub> O
Synonym	Ethanedioic acid
Chemical group	Oxalates
Liquid mixture/solution	0.1N = 0.05M
Atomic weight	126.07
Appearance	Transparent, colourless crystals or granules. Colourless to white solution
Solubility/miscibility	Soluble in water, ethanol, ether and glycerol
Melting point	101.5°C
Boiling point	Powder 189.5°C and decomposes and solution 100°C
Density (g/ml)	1.653
pH (aqueous solution)	Powder 1.3 and solution 1
Hazardous material	Harmful

**Laboratory preparation, applications and practices**

Laboratory preparation	Reaction of carbon monoxide and sodium hydroxide, followed by distillation of the resulting dihydrate crystal:
Usage	Analytical and synthesis reagent
Filter paper	Filtech no: 0222, 0225, 1839

**Storage and handling information**

Storage	Store separated from oxidants and strong bases
Safety phrases	24-25
Risk phrases	21/22
Disposal methods	18

**Transport regulations**

Tariff code	2917.11.00
Hazardous class	8
Packing group	III
UN number	3261
ECB number	205-6343

