

F0950CC	Gold Line
85%	
<b>Typical analysis</b>	
Assay	85%
Chloride (Cl)	0.01%
Iron (Fe)	0.005%
Lead (Pb)	0.005%
Residue on evaporation	0.05%
Sulphate (SO <sub>4</sub> )	0.01%

F0951CC	Platinum Line
85%	
<b>Warranty certificate</b>	
Assay (Acidimetric)	min 85%
Acidity (Acetic acid)	0.05%
Ammonium (NH <sub>4</sub> )	0.005%
Chloride (Cl)	0.005%
Iron (Fe)	0.0005%
Lead (Pb)	0.0005%
Non-volatile matter	0.08%
Residue on evaporation	0.002%
Sulphate (SO <sub>4</sub> )	0.002%
Zinc (Zn)	0.00005%

F0952CC	Platinum Line
99.9%	
<b>Warranty certificate</b>	
Assay (Acidimetric)	98 - 100.5%
Acetic acid (GC)	0.05%
Chloride (Cl)	0.0005%
Copper (Cu)	0.00002%
Iron (Fe)	0.0002%
Lead (Pb)	0.0002%
Non-volatile matter	0.005%
Sulphate (SO <sub>4</sub> )	0.0005%
Zinc (Zn)	0.000005%

Packaging
500ml clear plastic bottle
2.5l clear plastic bottle

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2.5l clear plastic bottle

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## Physical properties, composition and data

Chemical formula	CH <sub>2</sub> O <sub>2</sub> or HCOOH
Synonym	Hydrogen carboxylic acid; Methanoic acid
Chemical group	Carboxylic acids
Atomic weight	46.03
Weight per litre	1.20kg
Appearance	Colourless fuming liquid with penetrating odour
Odour	Pungent odour
Solubility	Soluble in water, ether, acetone, ethyl acetate, ethanol, methanol. Slightly in benzene, toluene and xylenes
Melting point	8.4°C
Boiling point	100.8°C
Flash point	69°C (open cup)
Autoignition temperature	520°C
Density (g/ml)	1.19
pH (aqueous solution)	Strongly acidic
Incompatible substances	Bicarbonates, carbonates, hydroxides and salts
Hazardous material	Corrosive

## Laboratory preparation, applications and practices

Laboratory preparation	Heating carbon monoxide and sodium hydroxide under pressure and decomposing the resulting sodium formate with sulphuric acid
Usage	Analytical reagent. Decalcifier
Filter paper	Glass microfibre

## Storage and handling information

Storage/handling	Keep container tightly closed separated from incompatible substances. resulting sodium formate with sulphuric acid
Safety phrases	23-26-45
Risk phrases	34
Disposal methods	18

## Transport regulations

Tariff code	2915.11.00
Hazardous class	8
Packing group	II
UN number	1779
ERG number	153
ECB number	200-579-1

