

M1560NN	Platinum Line	M1561NN	Gold Line	M1562NN	Gold Line
powder		indicator solution		screened solution	
<b>Warranty certificate</b>		<b>Typical analysis</b>		<b>Typical analysis</b>	
C.I.	13025	C.I.	13025	Colour change	red to green
Colour change	red to yellow	Colour change	red to yellow	Screened with xylene cyanol FF	
Sulphate (SO <sub>4</sub> )	0.02%	Sulphate (SO <sub>4</sub> )	0.02%		
<b>Packaging</b>		<b>Packaging</b>		<b>Packaging</b>	
25g black plastic jar		100ml amber glass bottle 500ml clear plastic bottle		100ml amber glass bottle	

## Physical properties, composition and data

Chemical formula	C <sub>14</sub> H <sub>14</sub> N <sub>3</sub> NaO <sub>3</sub> S
Chemical group	pH indicators   Azo dyes
Synonym	Acid orange; Helianthine B; Gold orange
Liquid mixture/solution	Methyl orange and water. Screened: Methyl orange, xylene cyanol FF and alcohol
Atomic weight	327.34
Weight per litre	1.00kg
Appearance	Orange yellow powder or crystalline scales. Orange solution
Solubility/miscibility	Powder soluble in water. Solution miscible with water
Boiling point	Solution: 100°C
Density (g/ml)	Powder 1
pH (aqueous solution)	Powder 6.5 and solution 3.0 - 4.4

## Laboratory preparation, applications and practices

Laboratory preparation	Powder: Prepared from sulphanilic acid sodium nitrate and dimethylaniline
Usage	As indicator in titrations
Filter paper	Filtech no: 0222, 0225, 1839

## Storage and handling information

Storage	Store separated from light
Safety phrases	Powder 27-45 and solution 22-24/25-45
Risk phrases	Powder: 25 and Solution: 11
Disposal methods	16

## Transport regulations

Tariff code	Powder 2927.00.00 and solution 3212.90.00
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