

C0562NN	Platinum Line
powder	
Warranty certificate	
Colour Index	22120
Colour change	blue to violet to red
Loss on drying	5%

Packaging
10g black plastic jar
25g black plastic jar

C0563NN	Gold Line
indicator solution	
Typical analysis	
Colour change	Blue to violet to red

Packaging
100ml amber glass bottle

Physical properties, composition and data

Chemical formula	$C_{32}H_{22}N_6Na_2O_6S_2$
Chemical group	pH indicators
Synonym	Direct red 28; Sodium diphenyldiazo-bis-a-naphthylaminesulphonate
Mixture	Congo red, distilled water and alcohol
Atomic weight	696.68
Weight per litre	Solution: 0.982kg
Appearance	Brownish-red powder. Pale red solution
Solubility	Soluble in water (25g/l at 20°C) and ethanol. Solution miscible with water and ethanol
pH (aqueous solution)	3.0 - 5.2
Incompatible substance	Acid fumes

Laboratory preparation, applications and practices

Laboratory preparation	Solution: Dissolve 0.5g congo red in 90ml distilled water and 10ml alcohol Powder: Combination of tetrazotized benzidine and naphthionic acid
Usage	Analytical reagent, microscopy and bacteriology. Solution as pH indicator
Filter paper	Filtech no: no: 0222, 0225, 1839

Storage and handling information

Storage	Store separated from incompatible substances
Safety phrases	Applies to powder only: 53-45
Risk phrases	Applies to powder only: 45-63
Disposal methods	Solid: 22 and Solution: 16

Transport regulations

Tariff number	3212.90.90
ECB number	209-358-4

