

buffer solutions

B0291CC **Platinum Line**
pH 1 500ml
Warranty certificate
Guaranteed within 0.02 pH at 20°C

B0294NN **Platinum Line**
pH 4 500ml
Warranty certificate
Guaranteed within 0.02 pH at 20°C

B0297NN **Platinum Line**
pH 7 500ml
Warranty certificate
Guaranteed within 0.02 pH at 20°C

B0300CC **Platinum Line**
pH 10 500ml
Warranty certificate
Guaranteed within 0.02 pH at 20°C

B0292CC **Platinum Line**
pH 2 500ml
Warranty certificate
Guaranteed within 0.02 pH at 20°C

B0295NN **Platinum Line**
pH 5 500ml
Warranty certificate
Guaranteed within 0.02 pH at 20°C

B0298NN **Platinum Line**
pH 8 500ml
Warranty certificate
Guaranteed within 0.02 pH at 20°C

B0324NN **Platinum Line**
pH 4 Ampoule

B0329NN **Platinum Line**
pH 9 Ampoule

B0293CC **Platinum Line**
pH 3 500ml
Warranty certificate
Guaranteed within 0.02 pH at 20°C

B0296NN **Platinum Line**
pH 6 500ml
Warranty certificate
Guaranteed within 0.02 pH at 20°C

B0299CC **Platinum Line**
pH 9 500ml
Warranty certificate
Guaranteed within 0.02 pH at 20°C

B0327NN **Platinum Line**
pH 7 Ampoule

B0330NN **Platinum Line**
pH 10 Ampoule

Physical properties, composition and data

Solution pH4 Contains citric acid, sodium hydroxide and sodium chloride, pH5 contains citric acid and sodium hydroxide
pH7 contains potassium di-hydrogen orthophosphate, pH10 contains sodium borate and sodium hydroxide and di-sodium hydrogen phosphate

Appearance pH1, pH2, pH3, pH5, pH6, pH8, pH9 clear liquid. pH4 - pink, pH7 - light blue liquid

Miscibility Miscible with water and ethanol

Boiling point 100°C

Density (g/ml) Ampoule pH4 - at 15°C: 4 at 25°C: at 30°C: 4.02
Ampoule pH7 - at 15°C: 7.02 at 25°C: 6.98, at 30°C: 6.97
Ampoule pH9 - at 15°C: 9.05, at 25°C: 8.96, at 30°C: 8.92
Ampoule pH10.00 - at 15°C: at 25°C: 9.95, at 30°C: 9.91

Hazardous material Corrosive

Laboratory preparation, applications and practices

Laboratory preparation To make 1lt of pH solution at 20°C from an ampoule add to distilled water and make contents up to 1lt with distilled water rising the ampoule in the process
pH1 & pH2 - Hydrochloric acid/potassium chloride buffers, pH3, pH4 & pH5 - Phthalate buffers
pH6, pH7, pH8, pH9, pH10 - Phosphate buffers
Ampoule pH4 & pH10 - Phthalate buffers, Ampoule pH7 - Phosphate buffer, Ampoule pH9 - Boric acid/sodium hydroxide buffer
Filter paper Filtech no: 0222, 0225, 1839

Storage and handling information

Disposal methods

1

