

B0370FI Gold Line**Typical analysis**

Assay	98%
Acidity	0.01%
Residue on evaporation	0.01%
Water (H ₂ O)	0.1%

Packaging

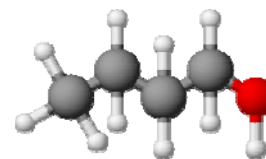
500ml amber glass bottle
2.5l amber glass bottle

B0371FI Platinum Line**Warranty certificate**

Assay (GC)	min 99.5%
Acidity	0.005%
Alkalinity (CH ₃ COOH)	0.005%
Colour (ALPHA)	10
Residue on evaporation	0.001%
Water (H ₂ O) [Karl Fisher]	0.05%

Packaging

500ml amber glass bottle
2.5l amber glass bottle

**Physical properties, composition and data**

Chemical formula	CH ₃ (CH ₂) ₂ CH ₂ OH or C ₄ H ₁₀ O
Synonym	1-Butanol; 1-Butyl alcohol; n-Butanol; n-Butyl alcohol; Butyric alcohol; Propyl carbinol
Chemical group	Alcohols
Atomic weight	74.12
Weight per litre	0.81kg
Appearance	Colourless, highly refractive liquid
Miscibility	Soluble in water and miscible with alcohol, ether, and many other organic solvents
Melting point	-89.5°C
Boiling point	117.7°C
Flash point	-89°C
Ignition point	340°C
Density (g/ml)	81
Incompatible substances	Acid Anhydrides and Chlorides, Copper alloys, Oxidising agents, Reducing agents
Other information	Forms a constant boiling mixture when added to half its volume of water
Hazardous material	Flammable and irritant

Laboratory preparation, applications and practices

Laboratory preparation	Reduction of butyraldehyde with sodium borohydride
Usage	Analytical reagent. Solvent
Filter paper	Filtech no: 8613, 8614

Storage and handling information

Storage	Keep container tightly closed in a cool, dry, fireproof place separated from incompatible substances, oxidants and alkali metals
Safety phrases	16
Risk phrases	10-20
Disposal methods	14

Transport regulations

Tariff code	2905.13.00
Hazardous class	3.3
Packing group	III
UN number	1120
ERG number	129
ECB number	200-751-6

