



3050 Spruce Street
Saint Louis, Missouri 63103 USA
Telephone 800-325-5832 • (314) 771-5765
Fax (314) 286-7828
email: techserv@sia1.com
sigma-aldrich.com

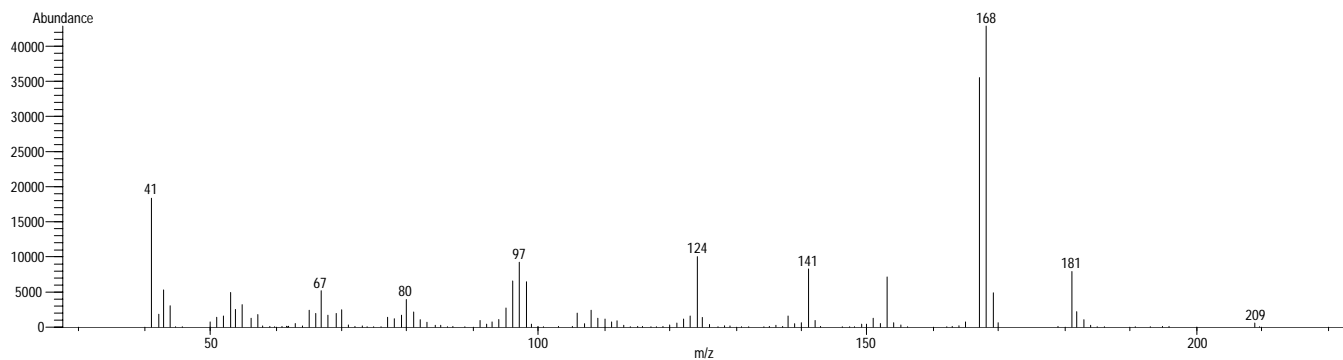
Product Information

BUTALBITAL
Methanol Solution

Product Number **B 5514**
Lot Number 079H8801

TECHNICAL BULLETIN

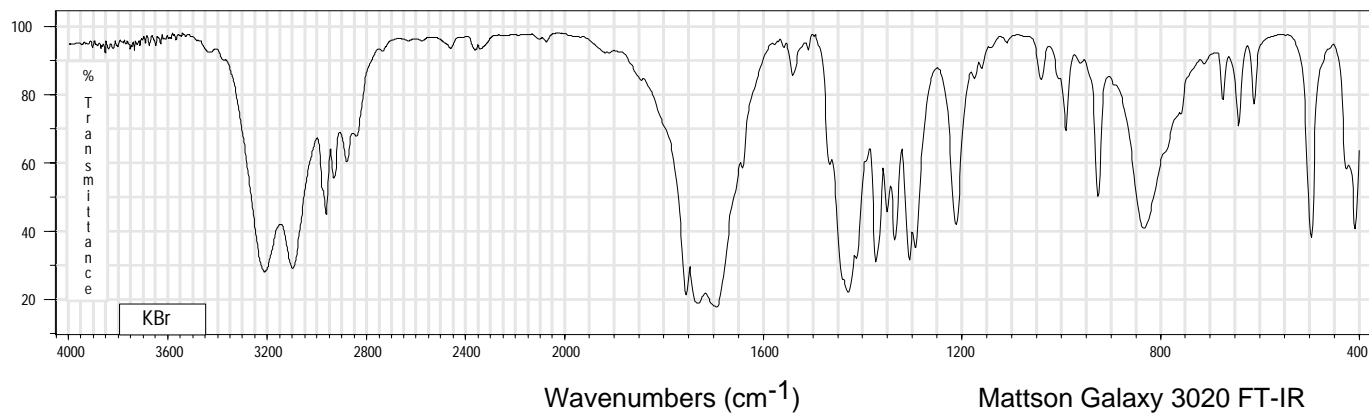
CAS Number	[77-26-9]	Synonyms	Alisobumal Allylbarbituric Acid Allylbarbital
Concentration	1.01 mg Butalbital/mL GC grade methanol (conc. verified by UV)	Stability	If stored at 2-8 °C in an air tight container, protected from light, decomposition of the product is less than 1% in 48 months. After Opening, concentration may change Due to loss of solvent.
Molecular Formula	$C_{11}H_{16}N_2O_3$	Storage	2-8 °C; After opening, transfer Contents to small vial provided For your convenience.
Molecular Weight	224.3		
DEA Class	Exempt preparation of Class III		
Expiration	April 2004		



70 eV Electron Ionization Mass Spectrum

Hewlett-Packard 5890 Series II Gas
Chromatograph
Hewlett-Packard 5971 Mass Selective
Detector
Hewlett-Packard G1034C MS ChemStation
(HP-DOS series)

FT-IR

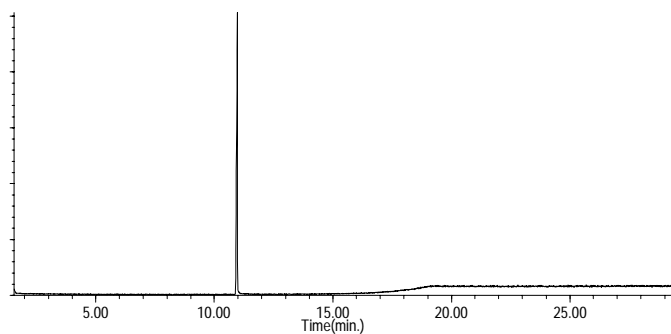
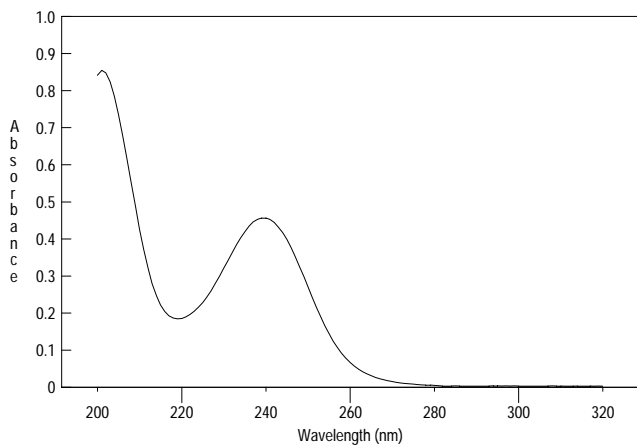


Ultraviolet Spectrum

Peak 239.0 nm
Absorbance 0.456
Solvent 0.05 M Borax

Capillary Gas Chromatography

Column Supelco SPB-1 (Cat. No. 2-4162)
I.D. 0.20 mm **Length** 15 m **Film Thickness** 0.20 μm
Oven Temperature 50 °C (2 min.) then 15 °C/min, to 300 °C, hold 11 min.
Injector 250 °C, Slit
Detector Hewlett-Packard 5971
Mass Selective Detector (70 eV, 40-5000 m/z)



Dilution 1:99 (v/v)

Kontron Uvikon 940

Hewlett-Packard 5890

Sigma brand products are sold through Sigma-Aldrich, Inc.

Sigma-Aldrich, Inc. warrants that its products conform to the information contained in this and other Sigma-Aldrich publications. Purchaser must determine the suitability of the product(s) for their particular use. Additional terms and conditions may apply. Please see reverse side of the invoice or packing slip.