PRODUCT DATA SHEET

Alditol acetate Mixture-2 (quantitative)

Catalog No: 1125
Solvent: chloroform
Storage: -20°C
Concentration: 50mg/ml
Volume: 1ml

GC Conditions:

Column: SP2330 or RTX2330
Carrier Gas: helium
Make-up Gas: nitrogen
Split Ratio: 100:1
Oven Initial: 240°C
Oven Final: 240°C
Detector: FID, 250 °C
Linear Velocity: 20cm/sec
Flow Rate: 40ml/min
Vent Flow: 70ml/min
Program Rate: isothermal
Injector: 250°C

Elution Order

Component Name	Conc. by weight
Mannitol hexaacetate	12.5mg/ml
Galactitol hexaacetate	12.5mg/ml
Glucitol hexaacetate	12.5mg/ml
Inositol hexaacetate	12.5mg/ml

Composition in weight percent is determined by synthesis, not by analysis.

Application Notes:

All materials are analyzed to verify their identity and to determine their purity. All analytes are 98^{+}% pure. This standard is accurately prepared by gravimetric technique (+/- 0.5%) and all glassware is class A rated. Ampules are purged with nitrogen/argon before and after filling and chilled before being flame sealed. Store ampules sealed as received and process without delay immediately after opening the ampule.

Selected References:

1. N. Brunton, T. Gormley, B. Murray "Use of the alditol acetate derivatisation for the analysis of reducing sugars in potato tubers" *Food Chemistry*, Vol. 104(1) pp. 398-402, *2007*
2. G. Sassaki et al. "Rapid synthesis of partially O-methylated alditol acetate standards for GC–MS: some relative activities of hydroxyl groups of methyl glycopyranosides on Purdie methylation" *Carbohydrate Research*, Vol. 340(4) pp. 731-739, *2005*