

Analysis of TMS derivatised Sugars



Application Note

AN0055

SCION GC-MS

GC-MS conditions

Injector	265°C, 1:15
Column	SCION-1MS 30m x 0.25mm x 0.25µm
Oven	105°C to 240°C at 4°C/min, 240°C to 300°C at 20°C/min
Carrier Gas	Helium, 1mL/min
MS	280°C

Peak Identification

1	Threitol	12	Glucuronic acid-1,5-lactone
2	Erythritol	13	Ribose 2
3	Rhamnose 1	14	Manitol
4	Rhamnose 2	15	Sorbitol
5	Xylose 1	16	Galactiol
6	Arabitol	17	Glucuronic Acid
7	Ribitol	18	Lactulose
8	3-o-methylglucose 1	19	Lactose
9	Xylose 2	20	Sucrose
10	Rhamnitol	21	Threhalose
11	3-o-methylglucose 2		

