

SILICYCLE[®] SPECIFICATION SHEET

SiliaBond[®] Triethylamine

PRODUCT NUMBER: R76530B
PARTICLE SHAPE: Irregular Silica Gel

COMPANY IDENTIFICATION

SiliCycle Inc, www.silicycle.com
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Properties	Specifications	Analysis Methods
BARE SILICA SPECIFICATIONS		
Particle Size Distribution (μm)	40 - 63	Laser Diffraction
Pore Diameter (\AA , BJH)	60	Nitrogen Adsorption / Desorption Method at 77K
Specific Surface Area (m^2/g , BET)	470 - 530	
Specific Pore Volume (mL/g , BJH)	0.70 - 0.85	
FUNCTIONALIZED SILICA SPECIFICATIONS		
Color	Off-white Powder	Visual Test
Chemical Structure	Peaks at 1385 & 1465 cm^{-1}	FTIR
Nitrogen Content (%)	≥ 1.45	CHNS Analyser
Molecular Loading (mmol/g)	≥ 1.04	Based on Nitrogen Content
Surface Coverage ($\mu\text{mol}/\text{m}^2$)	≥ 2.43	Based on Molecular Loading
Endcapping	Yes	-
Purity (%)	≥ 99.95	GC-MS
Volatile Content (% , 110°C)	≤ 4.00	Moisture Balance

Revision Date: 2008/12/03

Version: 1.1