



ACROS ORGANICS part of Thermo Fisher Scientific

**ThermoFisher**  
S C I E N T I F I C

## Product Specifications

**Product 45531**  
**Gentamicin sulfate**

### General Product Data

Version	3
CAS No	1405-41-0
Molecular weight	0.00
Molecular formula	
Linear formula	

### Product Specifications

Appearance (Color)	White to yellow
Appearance (Form)	Powder
Infrared spectrum	Conforms
Loss on drying	$\leq 18.0\%$ (Vacuum, 110°C, 3h)
pH	3.5 to 5.5 (c=4, water)
Sulfated ash	$\leq 1.0\%$
Assay	$\geq 590\text{ }\mu\text{g/mg}$ (On dried basis)
Specific optical rotation	$+107^\circ$ to $+121^\circ$ (20°C, 589 nm) (c=1, water) (On dried basis)

**Product Specifications are subject to amendment and may change over time.**

Acros Organics BV

ENA23, zone 1, nr 1350, Janssen Pharmaceuticaaan 3a, B-2440 Geel, Belgium  
Tel +32 14/57.52.11 - Fax +32 14/59.34.34 Internet: <http://www.thermofisher.com>  
1 Reagent Lane, Fair Lawn, NJ 07410, USA  
Fax 201-796-1329