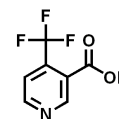


Certificate of Analysis

Date of Manufacture: 2011-05-25 Date of Analysis: 2011-05-25
Batch No: A20101209

Catalog No.: HP11393
Product Name: 4-(Trifluoromethyl)nicotinic acid
Formula: C₇H₄F₃NO₂
Molecular Weight: 191.11
CAS Number: 158063-66-2



Items	Specifications	Results of Analysis
Appearance:	Yellow to brown powder	Yellow to brown powder
¹ H-NMR:	Consistent with structure	Consistent with structure
Assay (HPLC):	98.0%min	99.3%
Loss on Drying:	≤0.5%	0.38%

Storage: Room Temperature, Dry
Origin of Country: P. R. China