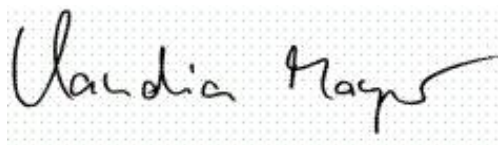


Certificate of Analysis

Product Name: 3-Nitrophthalic acid
99 %
Product Number: 137820
Batch Number: STBJ5169
Brand: Aldrich
CAS Number: 603-11-2
Formula: $\text{O}_2\text{NC}_6\text{H}_3\text{-1,2-(CO}_2\text{H)}_2$
Formula Weight: 211.13
Quality Release Date: 19 FEB 2020

TEST	SPECIFICATION	RESULT
APPEARANCE (COLOR)	WHITE TO OFF WHITE	WHITE
APPEARANCE (FORM)	POWDER	POWDER
TITRATION (T) NAOH 0.1M	98.5 - 101.5 %	99.6 %
PURITY (HPLC AREA %)	≥ 98.5 %	99.9 %
SOLUBILITY (COLOR)	COLORLESS TO FAINT YELLOW	COLORLESS
SOLUBILITY (TURBIDITY)	CLEAR TO SLIGHTLY HAZY	CLEAR
SOLUBILITY (METHOD)	5% IN H ₂ O	5% IN H ₂ O
INFRARED SPECTRUM	CONFORMS TO STRUCTURE	CONFORMS



Claudia Mayer
Manager Quality Control
Steinheim, Germany

Sigma-Aldrich warrants that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.