

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-07-10 10:32:35  
Date of Next Testing: 2026-07-10 10:32:35  
Product Name: **Roflumilast**  
CAS Number: 162401-32-3  
Specifications & Purity:  $\geq 99\%$   
Lot #: J22111388  
SKU #: **R126602**  
Version: **0**  
Analysis #: **384415**  
Storage Temperature: Store at  $-20^{\circ}\text{C}$

Parameter	Limit Values	Result
Purity(HPLC)	99-100 (%)	99.77000 %
Carbon by Elemental Analysis	49.9-50.8 (%)	50.38 %
Oxygen by Elemental Analysis	11.6-12.1 (%)	11.76 %
Nitrogen by Elemental Analysis	6.7-7.1 (%)	6.71 %
Appearance (R126602)	White to off-white solid	White to off-white solid
NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager