

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-05-24 14:11:51

Date of Next Testing: 2026-05-23 14:11:51

Product Name: **(R)-2,5-Dihydro-3,6-dimethoxy-2-isopropylpyrazine**

CAS Number: 109838-85-9

Specifications & Purity: $\geq 97\%$

Lot #: E2216009

SKU #: **D111781**

Version: **1**

Analysis #: **078615**

Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in EtOH})$	-106--98 (°)	-104.00 °
Purity(GC)	97-100 (%)	97.73 %
Appearance (D111781)	Colorless to Dark Yellow liquid	colorless to dark yellow liquid
Proton NMR spectrum	Conforms to structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager