

## Certificate of Analysis

Date of Testing: 2022-09-29 20:21:33  
Date of Next Testing: 2026-09-28 20:21:33  
Product Name: **(S)-2,5-Dihydro-3,6-dimethoxy-2-isopropylpyrazine**  
CAS Number: 78342-42-4  
Specifications & Purity:  $\geq 97\%$   
Lot #: I2227145  
SKU # **D111782**  
Version **1**  
Analysis #: **126315**

Parameter	Limit Values	Result
Purity(GC)	97-100 (%)	98.60%
Density (20°C)	1.026-1.029	1.03
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in EtOH})$	97-107 (°)	98.53°
Refractive index $n_{20/D}$	1.46-1.463	1.46
Appearance (D111782)	Colorless to light yellow liquid	Colorless to light yellow liquid
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager