

## Certificate of Analysis

Date of Testing: 2022-12-09 11:52:44  
Date of Next Testing: 2025-12-08 11:52:44  
Product Name: **4-Pregnene-3,11,20-trione**  
CAS Number: 516-15-4  
Specifications & Purity:  $\geq 97.0\%$   
Lot #: L2205232  
SKU #: **K170722**  
**Analysis: 141331**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(HPLC)	97-100 (%)	98.90000 %
Melting point	173-177 (°C)	176.50000 °C
Specific Rotation [a] <sub>D</sub> (c=1 CHCL <sub>3</sub> )	270-285 (°)	281.00 °
Appearance (K170722Color)	White to Dark Green	White to Dark Green
Appearance (K170722Form)	Powder to crystal	Powder to crystal
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager