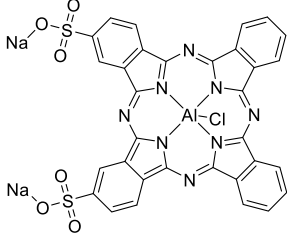


Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
406812	Aluminum phthalocyanine disulfonate disodium (AlPcS2 disodium)	YXM61227

Chemical name	
Aluminate(2-), chloro[29H,31H-phthalocyanine-C,C-disulfonato(4-)-κN29,κN30,κN31,κN32]-, sodium(1:2)	
Synonyms	
Aluminum phthalocyanine disulfonate disodium; AlPcS(2a), AlPcS2; AlS2Pc; ClAlPcS2. Clalpcs; Disulfonated aluminum phthalocyanine; Al(III) Phthalocyanine chloride disulfonate disodium	
Chemical structure	CAS# and Theoretical analysis
 <p>a mixture of regional isomers, in which sulfonate group can be in 3- or 4- position in phenyl ring.</p>	<p>MedKoo Cat#: 406812 Name: Aluminum phthalocyanine disulfonate disodium CAS#: 68637-19-4 (free acid) Lot#YXM61227 Chemical Formula: C₃₂H₁₄AlClN₈Na₂O₆S₂ Molecular Weight: 779.05</p>

Analysis item	Specifications / Results
Appearance	Deep blue to black solid powder
Purity	Dye content >90.0%
Solubility	Soluble in water
Conclusion	This product conforms with MedKoo's quality standards
Shipping condition	Shipped under ambient temperature as non-hazardous chemical. This product is stable for a few weeks during ordinary shipping and time spent in customs.
Storage condition	Short term storage (weeks): 0 – 4 °C under dry condition Long term storage (months): -20 °C under dry condition
Shelf life	At least 5 years if properly stored.

CAUTION: NOT FULLY TESTED. FOR RESEARCH ONLY, NOT FOR HUMAN USE