

## Certificate of Analysis

Date of Testing: 2023-05-23 16:06:19  
Date of Next Testing: 2027-05-22 16:06:19  
Product Name: **Amines, coco alkyl**  
CAS Number: 61788-46-3  
Specifications & Purity: 98%  
Lot #: E2312717  
SKU #: **A492929**  
Analysis: **219271**

Parameter	Limit Values	Result
The total amine value	265-295 (mgKOH/g)	286.90000 mgKOH/g
Water by Karl Fischer	0-1 (%)	0.17 %
Assay(GC)	98-100 (%)	99.21000 %
Assay(C10)	4-7 (%)	2.10 %
Assay(C12)	45-55 (%)	53.80 %
Assay(C14)	17-23 (%)	19.10 %
Assay(C16)	8-13 (%)	12.40 %
Assay(C18)	7-13 (%)	12.60 %
Appearance(A492929)	White Solid or Colorless Liquid	white solid or colorless liquid



John Su  
QA & QC Manager