



Certificate of Analysis

3,3'-Diaminobenzidine

Catalog Number: DB1001
Lot Number: 0128901
CAS Number: 91-95-2
Molecular Formula: $C_{12}H_{14}N_4$
Molecular Weight: 214.27
Storage: 15°C – 30°C
Date of Manufacture: November 1, 2017
Retest Date: October 31, 2020

Test	Specification	Result
Appearance	Off-white to brown-red crystalline powder powder	Conforms
Assay	$\geq 99\%$	99.4%
Identification (LC-MS)	To match structure	Conforms
Melting Point	168.0oC – 178.0°C	176 – 177oC
Moisture (KF)	≤ 1.0	0.48%

Approved by:

Date: January 28, 2019

John Grubb, PhD
Gojira Fine Chemicals, LLC
Quality Manager
Tel: 440-539-7033 Fax: 888-211-5523
john@gojiraafc.com