

Certificate of Analysis

SIGMA-ALDRICH

Product Name Thymolphthalein,
ACS reagent, Dye content 95 %
Product Number 114553
Product Brand SIAL
CAS Number [125-20-2](#)
Molecular Formula C₂₈H₃₀O₄
Molecular Weight 430.54

TEST

SPECIFICATION

LOT 03617JB RESULTS

APPEARANCE

WHITE POWDER

WHITE POWDER

INFRARED SPECTRUM

CONFORMS TO
STRUCTURE.

CONFORMS TO
STRUCTURE AND
STANDARD

UV-VISIBLE SPECTRUM

IN 0.1 N NAOH
E(595 +/- 2) NM = 38,000
(MINIMUM)
E(398 +/- 2) NM = 9,000
(MINIMUM)

0.005G/L, 0.1N NAOH
E594 = 39,800

E396 = 10,400

CLARITY OF SOLUTION VISUAL TRANSITION INTERVAL

PASSES TEST
PH 8.8 COLORLESS
PH 9.4 PALE GREY-BLUE
PH 9.9 BLUE
PH 10.5 INTENSE BLUE

PASSES TEST
PH 8.8= COLORLESS
PH 9.4= LIGHT BLUE
PH 9.9= BLUE
0.64ML OF 0.01N NAOH
REQUIRED FOR CHANGE
PH 10.5= INTENSE BLUE
EXACT REPLACEMENT
FOR PRODUCT
NUMBERS T8402
JULY, 2003

PRODUCT CROSS

QUALITY CONTROL



Barbara Rajzer, Supervisor
Quality Control
Milwaukee, Wisconsin USA