

CERTIFICATE OF ANALYSIS

(Certificate No. SZ-C041004-1031)

Analysis Date: 06/08/2022

Re-test Date: 05/08/2024

Clavulanate Potassium EP Impurity C

Identification

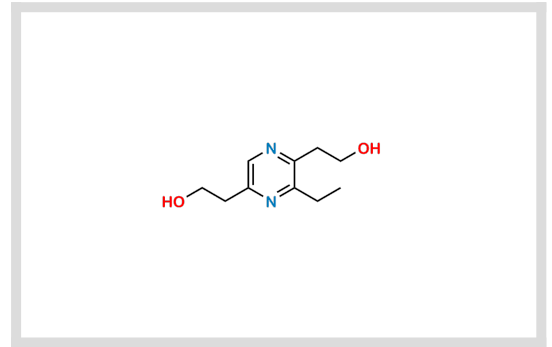
Chemical Name : 2,5-Bis(2-Hydroxyethyl)-3-ethylpyrazine

CAT No. : SZ-C041004

CAS No. : 86917-74-0

Molecular Formula : C₁₀H₁₆N₂O₂

Molecular Weight : 196.3



Analytical Information

Batch Code : SRL-1163-001-AD1

Solubility : ACN:H₂O(8:2)

Appearance of product : Light Brown Thick Oil

Long Term Storage : 2-8 °C for long term storage

Weight Loss By TGA : 1.11 %

HPLC Purity : 97.43 %

Mass : Confirm

IR Analysis : Confirm

¹H NMR : Confirm

¹³C NMR : Confirm

DEPT Analysis : Confirm

Additional Information

% Potency = [100 - 1.11 (Wt loss by TGA)] X [97.43 (HPLC Purity)] / 100 = 96.35 %

-Use freshly prepared solution.

Recommendation : Released

Department

Signature

Date

Prepared and Reviewed by	Analytical		
Approved By	Quality Control		

Attachments : HPLC, Mass, ¹H NMR, IR, TGA, ¹³C NMR, DEPT

Shipping Condition : All Products are stable to be shipped at room temperature, unless otherwise specified.