

Analysis Date: 22/01/2021

Re-test Date: 29/01/2021

Metoprolol EP Impurity B
Identification

Chemical Name : 4-(2-Methoxyethyl)phenol ;

CAT No. : SZ-M021006

CAS No. : 56718-71-9

Molecular Formula : C₉H₁₂O₂

Molecular Weight : 152.19

Analytical Information

Batch Code : Test=007

Solubility : 321

Appearance of product : 2313

Long Term Storage : 2131

Weight Loss By KF : 13 %

Residue On Ignition : 313 %

Chiral Purity : 213 %

GC Purity : 11 %

Mass : 13

IR Analysis : 21

¹H NMR : 1

¹³C NMR : 31

DEPT Analysis : 131

Additional Information

$$\% \text{ Potency} = [100 - 13(\text{Wt loss by KF})] \times [11 (\text{GC Purity})] / 100 = 9.57 \%$$

test me best

Elemental Analysis (Theoretical) : %C: 1 %H: 2 %N: 3 %S: 4

Elemental Analysis (Practical) : %C: 5 %H: 4 %N: 5 %S: 88

Recommendation : Released

Department

Signature

Date

Prepared and Reviewed by	Analytical		
Approved By	Quality Control		

Attachments : HPLC, Mass, NMR, IR

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