Calculate the percentage of each unspecified degradation product in the portion of Tablets taken:

$$\text{Result} = (r_U/r_S) \times (C_S/C_U) \times 100$$

r_U = peak response of each unspecified degradation product from the *Sample solution*

r_S = peak response of metoprolol from the *Standard solution*

C_S = concentration of USP Metoprolol Succinate RS in the *Standard solution* (µg/mL)

C_U = nominal concentration of metoprolol succinate in the *Sample solution* (µg/mL)

Acceptance criteria: See ▲*Table 13*.▲ (RB 1-Nov-2020) Reporting threshold: 0.05%.

▲Table 13▲ (RB 1-Nov-2020)

Name	Relative Retention Time	Acceptance Criteria, NMT (%)
Succinic acid[a]	0.1	—
Metoprolol related compound A	0.83	—
Metoprolol	1.0	—
Any unspecified degradation product	—	0.20
Total impurities	—	0.75

[a] Counter ion included for identification only.

ADDITIONAL REQUIREMENTS

- **Packaging and Storage:** Preserve in tight containers, and store at controlled room temperature.
- **Labeling:** Label it to indicate the content of metoprolol succinate and its equivalent, expressed as metoprolol tartrate $[(C_{15}H_{25}NO_3)_2 \cdot C_4H_6O_6]$. When more than one *Dissolution* test is given, the labeling states the *Dissolution* test used only if *Test 1* is not used.
- **USP Reference Standards** ⟨11⟩

USP Metoprolol Related Compound A RS

1-Ethylamino-3-[4-(2-methoxyethyl)phenoxy]propan-2-ol.

$C_{14}H_{23}NO_3$ 253.34

USP Metoprolol Succinate RS

Page Information:

Not Applicable

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