

Measurement of Residue on Ignition		[SJ-MM-014]
Principal	The sample is ignited at about 500 °C for two hours and the residue determined gravimetrically.	2005-05-25 Supersedes prior issues
Apparatus	1. Platinum dish or crucible 2. Electric muffle furnace 3. Desiccator	Quality Assurance

Test procedure

1. Ignite a platinum dish in a muffle furnace at 825 °C for one hour. Cool to room temperature in a desiccator and weigh to the nearest mg for the tare weight.
2. Accurately weigh to the nearest mg two grams of sample into a tared platinum dish. Place the dish into a muffle furnace and ignite at 500 °C for two hours. Cool to room temperature in a desiccator and weigh to the nearest mg.

Calculations

$$\% \text{ Residue on Ignition} = \frac{W \times 100}{G} \quad \text{Where :} \quad \begin{array}{l} W = \text{weight of residue in grams} \\ G = \text{weight of sample in grams} \end{array}$$

References

1. C.T.F.A Method E 36-1
2. Standard of Cosmetic Ingredients (Korean)

