



Moisture Determination in Salicylic Acid

General

Salicylic acid dissolves easily in methanol. No interference disturbs the reaction, so a titration according to the standard procedure can be carried out.

Reagent

Titrant: HYDRANAL-Titrant 2
Working medium: 40 ml
HYDRANAL-Solvent

A one-component reagent can be used as well:

Titrant: HYDRANAL-Composite 2
Working medium: 40 ml methanol

Primary Settings

Method ID:	Salicylic
Use oven:	No
Auto start:	Yes
Blank:	No
Uncert. calc.:	Yes
Reproducibility:	0.1%

Parameters

Stirring speed:	600 rpm
Max. bur. speed:	150%/min
Min. titr. time:	01:00 (min:s)
Max. titr. time:	00:05 (h:min)
Max. volume:	10 ml

Sample

Sample ID:	Yes
Sample unit:	g
Advised amount:	7.000 g
Uncertainty:	0.001 g
Sample factor:	1
Result unit:	%
Number of digits:	6
Quality control:	No

Procedure

The sample is weighed out with a powder funnel.
Weigh by difference.
Sample amount: 7 g

Comments

Samples dissolve easily in the solvent. 2 analyses could be made in the same solvent.

Results

Mean: 0.015 ±0.004% H₂O
(K=2, 4 replicates)
K: coverage factor