KYOTO ELECTRONICS MANUFACTURING CO.,LTD.

KVX01503-enL

Application Memo

Moisture in Riboflavin Sodium Phosphate

Industry	Pharmaceutical
Instrument	Karl Fischer moisture titrator
Measurement method	Volumetric titration (Direct Method)
Standards	JIS K 0113, ASTM E 203, ISO760

1. Overview

Moisture titration with Karl Fischer reagent is the most reliable moisture measurement method in the world. The procedure is adopted in many official standards as test method specified in ISO, ASTM, DIN, BS and JIS.
Here in this application, we measure water content in riboflavin sodium phosphate by direct method of KF titration according to JIS K 0113. The samples dissolves in the solvent with ease.

2. Apparatus

Main unit	Karl Fischer moisture titration volumetric system
Electrode	Twin platinum electrode

3. Reagents

Titrant	HYDRANAL™ Composite 5
Solvent	HAYASHI™ Solvent FM

4. Example

－Measurement result－

Sample	Sample size (g)	Extracting medium	Water content	
			mg	%
Riboflavin sodium phosphate	0.094	Solvent FM	5.75	6.12

Please feel free to contact us for any further information.

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