KYOTO ELECTRONICS MANUFACTURING CO.,LTD.

KVX-01546enL

Application Memo

Moisture Determination in Detergents

Industry	Cosmetics and soap
Instrument	Karl Fischer moisture titrator
Measurement method	Volumetric titration (Direct method)
Standards	JIS K 0113, ISO 760, ASTM E203

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 detergents by direct method of KF titration according to JIS K 0113.
The samples dissolves in mixture of methanol and 2-propanol or 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 ML

4. Example

Sample	Sample size (g)	Moisture content	
		mg	%
Creamy cleaner	0.1560	67.97	43.57
Amphoteric surfactant	0.1881	72.38	34.48
Nonionic surfactant	0.4770	1.64	0.34

Please feel free to contact us for any further information.

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