KYOTO ELECTRONICS MANUFACTURING CO.,LTD.

KVX-01233enL

Application Memo
Moisture of Phenols (3)[Guaiacol]

Industry	Petrochemicals
Instrument	Karl Fischer Moisture Titrator
Measurement method	Volumetric titration
Standards	JIS K 0113, ASTM E 203, ISO 760

1. Overview

Moisture titration using Karl Fischer reagent is popularly practiced water determination worldwide as the most reliable method. The procedure is adopted in many official standards as test method specified in ISO, ASTM, DIN, BS and JIS.

Here in this application, water content of one of the phenols (Guaiacol) is determined by volumetric titration according to JIS K 0113-2005 as quoted below.

We use KEMAQUA KET for the extracting medium.

2. Apparatus

Main unit	Karl Fischer moisture titration volumetric system
Electrode	Twin Platinum Electrode

3. Reagents

Titrant	KEMAQUA TR-3
Solvent	KEMAQUA Solvent KET for Ketone

4. Example

－Measurement results－

Sample name	Sample size g	Extracting medium	Water content	
			mg	%
Guaiacol	**5.633**	**KET**	**4.9757**	**0.088**

Please feel free to contact us for any further information.

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