KYOTO ELECTRONICS MANUFACTURING CO.,LTD.

KVX-01283enL

Application Memo
Water Content of Ether (3)　[Ethyl Vinyl Ether]

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 as in ISO, ASTM and JIS, etc.

Here in this application note, we measure water content of ethyl vinyl ether by direct method of KF titration according to JIS K 0113-2005 as quoted below.

Ethyl vinyl ether is hard to dissolve in commercially sold extracting medium KET. Therefore, we use KET solvent mixed with chloroform by even ratio 1 to 1.

2. Apparatus

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

3. Reagents

Titrant	KEMAQUA TR-3 KEMAQUA Solvent KET for Ketone
Solvent	Chloroform

4. Example

－Measurement results－

Sample name	Water content	
	mg	%
Ethyl vinyl ether	0.54	0.062

Please feel free to contact us for any further information.

＜Contact＞Kyoto Electronics Manufacturing Co., Ltd.
Overseas Sales & Marketing Sect.
http://www.kyoto-kem.com/en/contact/form.php