

ICS 75.040
CCS E 21



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 11146-2009

Replacing GB/T 11146-1999

**Crude petroleum -- Determination of water -- Coulometric Karl
Fischer titration method**

原油水含量测定 卡尔·费休库仑滴定法

(English Translation)

Issued on: March 16, 2009

Implemented on: October 1, 2009

Issued by: Standardization Administration of China

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What this standard covers

This standard specifies the method for the determination by Karl Fischer coulometric titration of water content in crude oil directly. For the amount of mercaptan sulfur or divalent sulfur content of sulfur ions, or both (mass fraction) of crude oil in the range of 0.005% to 0.05%, the method of water measurement range (mass fraction) is 0.050 %-5.00%, the amount of mercaptan sulfur or sulfur ions of divalent sulfur content, or both (mass fraction) of less than 0.005% of the crude oil, the method of water measurement range (mass fraction) is 0.020% to 5.00 %. Application of this standard may involve hazardous substances, operations and equipment, but the standard does not explain its use of all safety issues.

Document data

International classification (ICS): 75.040.

Chinese classification (CCS): E21.

Estimated length of the Chinese original: 13,166 words.

Adopted international standard: ISO 10337-1997, MOD.

Supersedes the earlier edition GB/T 11146-1999.

Standards quoted by this document

GB/T 4756-1998; SY/T 5317-2006; ISO 3733-1999; ISO 3734-1997; ISO 3696-1987