

DAP Deutsches Akkreditierungssystem Prüfwesen GmbH

Signatory to the Multilateral Agreement of EA for Mutual Recognition  
and to the Mutual Recognition Arrangement of ILAC

represented in the

# Deutscher Akkreditierungsrat



## Accreditation

The DAP Deutsches Akkreditierungssystem Prüfwesen GmbH herewith confirms that the

**Al-Jubail  
Petrochemical Company (Kemya)**

P. O. BOX 10084  
Jubail Industrial City 31961  
Saudi Arabia

for the

**Quality Assurance Laboratory (QAL)**

is competent under the terms of DIN EN ISO/IEC 17025:2005 to carry out tests in the fields of

**selected chemical and physical-chemical tests of industrial samples  
(Linear Low Density Polyethylene – LLDPE, Low Density Polyethylene - LDPE,  
High Density Polyethylene – HDPE and their additives)**

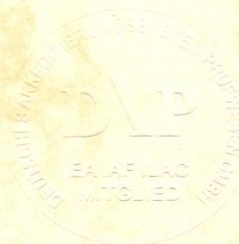
in accordance with the test methods listed in the annex. The annex forms part of the certificate and comprises 2 pages.

The accreditation is valid from 2008-02-16 to 2013-02-15.

DAR registration number: **DAP-PL-4275.00**

Berlin, 2008-02-16

Univ.-Prof. Dr.-Ing. habil. K. Ziegler  
Managing Director  
DAP Deutsches Akkreditierungssystem  
Prüfwesen GmbH



DAP German Accreditation System for Testing (hereinafter referred to as DAP), is signatory to the Multilateral Agreement for Testing Laboratories (MLA) of European co-operation for Accreditation (EA) and to the Mutual Recognition Arrangement (MRA) of International Laboratory Accreditation Co-operation (ILAC). For testing laboratories, EA concluded further bilateral agreements for mutual recognition.

The signatories to these agreements of the following countries mutually recognise their accreditations of testing laboratories:

**Argentina – Australia – Austria – Belgium – Brazil – Canada – People's Republic of China – Costa Rica - Cuba – Czech Republic – Denmark –Egypt – Estonia – Finland – France – Germany – Greece – Hong Kong, China – India – Indonesia – Ireland – Israel – Italy – Japan – Republic of Korea – Latvia – Lithuania – Malaysia – Mexico - The Netherlands – New Zealand – Norway – Philippines - Poland – Portugal – Romania – Singapore – Slovakia – Slovenia – South Africa – Spain – Sweden – Switzerland – Chinese Taipei – Thailand – Turkey – United Kingdom – USA – Vietnam.**

The up-to-date status of membership can be retrieved from the respective website:

EA - <http://www.european-accreditation.org>

ILAC - <http://www.ilac.org>

This accreditation has been awarded on the basis of an assessment and pursuant to the contract concluded with DAP with respect to the accreditation of a testing laboratory in accordance with the rules and procedures of the German Accreditation System in conformity with the Standards DIN EN ISO/IEC 17025 and DIN EN ISO/IEC 17011.

The requirements in terms of materials and personnel as specified in DIN EN ISO/IEC 17025 for the specific testing fields indicated in the accreditation certificate, as well as for the procedures described in the annex to the accreditation certificate, have been met.

Details of the scope of the accreditation (testing fields, procedures and specifications) are given in the annex to this accreditation certificate.

The annex and the documents submitted in connection with the accreditation are deemed to form an integral part of it. Any amendments are to be made in writing.

The accreditation is awarded subject to revocation at any time due to the fundamental change or lapse of any conditions defined in the agreement and in the annex to this accreditation certificate.

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Accreditation certificates and annexes are not to be disseminated in any form other than the present one. The publication of extracts is subject to approval by DAP.



# DAP Deutsches Akkreditierungssystem Prüfwesen GmbH

## Annex to the Accreditation Certificate DAP-PL-4275.00 according to DIN EN ISO/IEC 17025:2005

Period of validity: 2008-02-16 to 2013-02-15

Certificate holder:

**Al-Jubail  
Petrochemical Company (Kemya)**

P. O. BOX 10084  
Jubail Industrial City 31961  
Saudi Arabia

for the

**Quality Assurance Laboratory (QAL)**

Tests in the fields:

**selected chemical and physical-chemical tests of  
industrial samples (Linear Low Density Polyethylene –  
LLDPE, Low Density Polyethylene - LDPE, High Density  
Polyethylene – HDPE and their additives)**

abbreviations used:

see last page

KEMYA SOP 004  
2007-07

Determination of Density by Means of the Density Gradient  
Column Technique  
*based on ASTM D-1505 (2003-11); Standard Test Method for Density of  
Plastics by the Density-Gradient Technique*

KEMYA SOP 006  
2007-07

Determination of Ash in Polyethylene  
*based on ASTM D-5630 (2006-09); Standard Test Method for Ash Content in  
Plastics*

KEMYA SOP 007  
2007-07

Density of Polyethylene Resin by TECRAD DS-500  
*based on ASTM D-4883 (2003-07); Standard Test Method for Density of  
Polyethylene by the Ultrasound Technique*

KEMYA SOP 009  
2007-07

Melt Flow Rate Testing Method  
*based on ASTM D-1238 (2004-12); Standard Test Method for Melt Flow  
Rates of Thermoplastics by Extrusion Plastometer*

KEMYA SOP 015  
2007-07

Anti Oxidant Determination by High Performance Liquid  
Chromatography

KEMYA SOP 016  
2007-11

Determination of Antiblock, Zinc Stearate and Phosphite  
Antioxidant in Polyethylene by X-Ray PW-2400 Spectrometry  
*based on ASTM D-6247 (1998-04); Standard Test Method for Analysis of  
Elemental Content in Polyolefins by X-Ray Fluorescence Spectrometry*



## Annex to the Accreditation Certificate DAP-PL-4275.00

KEMYA SOP 018 2007-07	Determination of Slip and Tinuvin by FTIR
KEMYA SOP 025 2007-07	Melt Flow Rate Testing Method by GOTTFERT MI-ROBO <i>based on ASTM D-1238 (2004-12); Standard Test Method for Melt Flow Rates of Thermoplastics by Extrusion Plastometer</i>
KEMYA SOP 037 2007-11	Determination of Haze Value of Transparent Plastics by Haze Meter <i>based on ASTM-D1003 (2000-06); Standard Test Method for Haze and Luminous Transmittance of Transparent Plastics</i>
KEMYA SOP 038 2007-11	Polyethylene Blow Film Extrusion and Film Appearance Rating by COLLIN Extruder <i>based on EXXON D-3.14 (1999-06); EXXON Laboratory Manual Guidelines - Use of Lab Extruders for Film Blowing</i>

*in connection with:*

ASTM-D1003 2000-06	Standard Test Method for Haze and Luminous Transmittance of Transparent Plastics
ASTM D-1505 2003-11	Standard Test Method for Density of Plastics by the Density-Gradient Technique
ASTM D-1238 2004-12	Standard Test Method for Melt Flow Rates of Thermoplastics by Extrusion Plastometer
ASTM D-4883 2003-07	Standard Test Method for Density of Polyethylene by the Ultrasound Technique
ASTM D-5630 2006-09	Standard Test Method for Ash Content in Plastics
ASTM D-6247 1998-04	Standard Test Method for Analysis of Elemental Content in Polyolefins by X-Ray Fluorescence Spectrometry
EXXON D-3.14 1999-06	EXXON Laboratory Manual Guidelines Use of Lab Extruders for Film Blowing

### abbreviations used:

ASTM	American Society for Testing and Materials
KEMYA	Company Name
SOP	Standard Operation Procedure

