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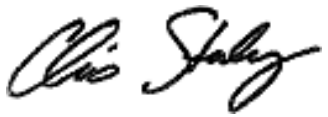
SPL, Inc.  
8820 Interchange Drive  
Houston, TX 77054  
713.660.0901

**FINAL REPORT**

Study No.: 1030-2009110107-008A Test Item: Nacol 22-98

**FINAL REPORT****Original 1 of 1**

**ASTM-E1147 Standard Test Method for Partition Coefficient (N-Octanol/Water)  
Estimation by Liquid Chromatography**

<b>Sponsors:</b>  Sasol North America, Inc. 2201 Old Spanish Trail Westlake, LA 70669	<b>Test Facility:</b>  SPL, Inc. 8820 Interchange Drive Houston, TX 77054
<b>Monitor:</b>    Kermit Kinsley	<b>Study Director:</b>    Chris Staley



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# 1 Quality Assurance Policy

It is SPL's quality assurance policy to:

- Generate data that are scientifically sound and legally defensible by meeting all federal, state, municipal, and client requirements as appropriate.
- Require that all personnel concerned with testing and calibration activities within the laboratory familiarize themselves with the quality documentation and implement the policies and procedures in their work.

## 1.1 Management Commitment to Quality

The management and staff of SPL share the responsibility of quality. It is a policy at SPL that there will be sufficient quality assurance activities conducted in the laboratory to ensure that all analytical data generated and processed will be scientifically sound and legally defensible. Equipment and supplies shall be obtained as needed to provide for the utilization of established technology and methodology. Personnel shall be fully qualified to perform the tests and analyses assigned through a combination of education, training and experience. Performance of personnel and equipment will be continuously monitored and documented. Corrective action must be implemented and documented immediately if a quality problem arises. It is the objective of SPL to provide data that is of the greatest value and use to the end-user of the test results.



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## **2 Summary**

**Title of Study:**     ASTM-E1147 Standard Test Method for Partition Coefficient (N-Octanol/Water) Estimation by Liquid Chromatography

### **Findings and Results:**

See attached.



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<b>Sample</b>	
Name	Nacol 22-98
Lot No.	1336-65-9
EINECS-No.	By Individual Components
<b>Method</b>	ASTM E 1147
<b>Date/Operator</b>	
Date of Measurement	1/13/2010
Operator	TOT
<b>Measurement</b>	
Log K <sub>ow</sub>	8.3

Reported by BAC

The above analyses were performed at a lab other than SPL, Inc. whose name will be disclosed upon request.



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### 3 Purpose of the Study

This study was performed in order to determine the partition coefficient of Nacol 22-98 by liquid chromatography.

### 4 Literature

The study was conducted in accordance with the following guidelines:

- ASTM-E1147 Standard Test Method for Partition Coefficient (N-Octanol/Water) Estimation by Liquid Chromatography

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## 5 Materials and Methods

### 5.1 Test Item

#### 5.1.1 Specification

The following information concerning identity and composition of the test item was provided by the sponsor.

<b>Name</b>	Nacol 22-98
<b>EINECS Name</b>	Docosan-1-ol
<b>EINECS-No.</b>	211-546-6
<b>CAS Name</b>	Docosan-1-ol
<b>CAS No.</b>	661-19-8
<b>Production Date</b>	5/9/2008
<b>Expiration Date</b>	5/9/2012
<b>Appearance</b>	Solid
<b>Color</b>	Colorless
<b>Odor</b>	Characteristic
<b>Form</b>	Solid
<b>Composition</b>	Docosan-1-ol
<b>Storage</b>	Room Temperature: (20 ± 5°C)