

## **Manufacturing Date, Testing Date and Expiration Date of Products Shipped from the Petrolia Plant**

**Products Involved:** All NF, USP, FDA, and Technical Grade White Oils  
All USP, FDA Petrolatums  
All NF, FDA Microcrystalline Waxes  
All Sulfonates, All Cable Filler Compounds, All Ink Oils

The Petrolia Plant's quality system is ISO 9001:2008 registered with Quality Systems Registrars, Sterling, VA, Certificate number QSR-57.

As per ISO clause 7.5.3, Identification and traceability, and 7.5.5 Preservation of product, the Petrolia Plant has established documented procedures to identify and preserve the product during all stages of production and delivery. Within the plant, there are established procedures for storage and handling that prevent damage or deterioration of the product. In addition, a unique identification of individual batches of product is recorded and maintained. Shipments from production batches at the Petrolia Plant are given unique numbers based on the following criteria:

1. Bulk Shipments - each loading of a tank trailer or rail car is assigned a unique Sonneborn Delivery / item number and also carries a production Batch number. Both these numbers appear on the Certificate of Analysis.
2. Drum Shipments - each drum run of product is assigned an individual Batch number, i.e. drums filled from the same production batch are assigned the same drumming Batch number. This Batch number may be associated with different quantities of drums, based on the quantity needed for orders or stock.
3. Caked Waxes - each order or caking run is assigned an individual Batch number.

The Batch number is assigned for shipment or filling on a particular day. For products shipped from the Petrolia Plant, the Shipping date and Batch number entered on the Certificate of Analysis is traceable to its production batch and can be used as the Manufacturing Date and the Date of Testing.

The Petrolia Plant does not specify an expiration date on its products. The longevity of products shipped from the Petrolia Plant is primarily based on the storage and handling conditions used after the product leaves the control of the Petrolia operation. Limited laboratory testing indicates that all of our products will last more than three years from date of shipment, if they are stored in darkness and at temperatures of 60°- 85°F (15°- 30°C). It is up to the individual customer to evaluate the longevity (expiration date) of the product based on their particular storage and handling conditions.