## A library of solutions for your excipient supplier audit needs.

We understand that excipient supplier audits can be costly and time-consuming for drug and nutritional supplement manufacturers. With a growing focus on the compliance of manufacturers and the increasing adoption of the joint International Pharmaceutical Excipients Council (IPEC)/Pharmaceutical Quality Group (PQG) Good Manufacturing Practices (GMP) audit guidelines, the monitoring of excipient production continues to receive increasing regulatory attention, resulting in increased excipient reviews by the FDA.

Univar Solutions Supplier Audit Library can help you navigate the complexities of the supplier excipient auditing process. We deliver audits using the IPEC/PQG GMP Guide for pharmaceutical excipients, the broadest excipient portfolio from industry leading producers.





## Solutions for your audit requirements.

Excipients are used in nearly every drug and/or nutritional supplement formulation, and manufacturers can be faced with an enormous volume of audit requests. As a result, manufacturers have limited audit dates available and may even charge a fee to perform an audit for all but their largest customers.

Through our certified third-party service, Univar Solutions conducts audits of major excipient partners. The library's audit packages include the initial audit, observed non-conformances and the excipient producer responses. Audits are scheduled on a three-year rotation, or sooner if required, and include comprehensive reporting and customized access when and where you need it.

Univar Solutions supplier audit library, expertise and guidance, provide an end-to-end solution for the complex excipient audit process, and helps free your internal regulatory resources.

Catumet Specialty Products       Mineral oil and petrolatum – Karns City, PA       June 2011       June 2014       September 2017         Catumet Specialty Products       Mineral oil and petrolatum – Dickinson, TX       June 2011       May 2014       September 2017         Dow       CARBOWAX™ SENTRY™ PEG solids – St. Charles, LA       May 2010       May 2013       April 2016       October 2019         Dow       CARBOWAX™ SENTRY™ PEG liquids – Plaquemine, LA       May 2010       May 2013       February 2017       -         DuPont       METHOCEL™ Premium – Plaquemine, LA       December 2010       August 2013       February 2017       -         DuPont       METHOCEL™ Premium – Midland, MI       September 2019       February 2014       June 2017       -         DuPont       Healthcare silicones – Hemlock, MI       September 2019       June 2015       January 2019       -       -         Emerald Kalama       Benzyl alcohol NF       June 2015       January 2019       -       -       -         Emerald Kalama       Benzyl alcohol NF parenteral       May 2013       November 2016       September 2019       -       -         ExconMobil       IPA USP       March 2013       November 2016       September 2019       -       -       -         Honeywell       Acton	SUPPLIER	PRODUCT(S)	AUDIT DATES			
Products         Products         April 2016         October 2019           Dow         CARBOWAX™ SENTRY™ PEG solids – St. Charles, LA         May 2010         May 2013         April 2016         October 2019           Dow         CARBOWAX™ SENTRY™ PEG liquids – Plaquemine, LA         May 2010         May 2013         February 2017         ————————————————————————————————————	,	Mineral oil and petrolatum – Karns City, PA	June 2011	June 2014	September 2017	
Dow       CARBOWAX™ SENTRY™ PEG liquids - Plaquemine, LA       May 2010       May 2013       February 2017       - Common Pebruary 2017         DuPont       METHOCEL™ Premium - Plaquemine, LA       December 2010       August 2013       February 2017       - Common Pebruary 2017       - Common Pebruary 2014       June 2017       - Common Pebruary 2014       - Common Pebruary 2017       - Common Pebruary 2019       - Common Pebruary 2014       - Common Pebruary 2014       - Common Pebruary 2014       - Common Pebruary 2016       - August 2019       -		Mineral oil and petrolatum – Dickinson, TX	June 2011	May 2014	September 2017	
DuPont       METHOCEL™ Premium - Plaquemine, LA       December 2010       August 2013       February 2017         DuPont       METHOCEL™ Premium - Midland, MI       September 2010       February 2014       June 2017         DuPont       Healthcare silicones - Hemlock, MI       September 2019       February 2014       June 2017         Emerald Kalama Chemical       Sodium benzoate NF       June 2015       January 2019       February 2019         Emerald Kalama Chemical       Benzyl alcohol NF       June 2015       January 2019       February 2019         Emerald Kalama Chemical       Benzyl alcohol NF parenteral       May 2013       November 2016       September 2019         ExxonMobil       IPA USP       May 2013       November 2016       September 2019         Honeywell       Acetone NF       March 2013       February 2016       August 2019         Ingredion       Liquid sorbitol 70%, liquid maltitol, and crystalline sorbitol       April 2009       December 2012       February 2016       August 2019         Innophos       Dicalcium phosphates – pharma grade       October 2009       December 2012       April 2016         Lyondell       Propylene glycol USP       March 2012       November 2015       December 2018         Mallinckrodt Pharmaceutical       Alkest® (sorbitan monolaurate and polyso	Dow	CARBOWAX™ SENTRY™ PEG solids – St. Charles, LA	May 2010	May 2013	April 2016	October 2019
DuPont       METHOCEL™ Premium – Midland, MI       September 2010       February 2014       June 2017         DuPont       Healthcare silicones – Hemlock, MI       September 2019       January 2019       February 2014       June 2015       January 2019       February 2019       June 2015       January 2019       February 2019       June 2015       June 2015       June 2015       June 2015       June 2019	Dow	CARBOWAX™ SENTRY™ PEG liquids – Plaquemine, LA	May 2010	May 2013	February 2017	
DuPont Healthcare silicones – Hemlock, MI September 2019  Emerald Kalama Chemical  Examphabil IPA USP  May 2013  May 2013  May 2013  May 2013  May 2013  May 2014  May 2013  May 2014  May 2015  March 2013  March 2013  March 2013  May 2013  May 2014  May 2015  March 2013  May 2016  May 2018  March 2013  May 2019  March 2019  May 20	DuPont	METHOCEL™ Premium – Plaquemine, LA	December 2010	August 2013	February 2017	
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Chemical       Senzyl alcohol NF       June 2015       January 2019         Emerald Kalama Chemical       Benzyl alcohol NF parenteral       June 2015       January 2019         ExxonMobil       IPA USP       May 2013       November 2016       September 2019         Honeywell       Acetone NF       March 2013         Ineos       Ethyl acetate – Hull, U.K.       February 2011         Ingredion       Liquid sorbitol 70%, liquid maltitol, and crystalline sorbitol       April 2009       December 2012       February 2016       August 2019         Innophos       Dicalcium phosphates – pharma grade       October 2009       December 2012       April 2016         Lyondell       Propylene glycol USP       March 2012       November 2015       December 2018         Mallinckrodt Pharmaceutical       Magnesium and calcium pharma stearates       October 2009       January 2013       September 2018         Oxiteno       Alkest® (sorbitan monolaurate and polysorbate)       September 2011       September 2011	DuPont	Healthcare silicones – Hemlock, MI	September 2019			
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Mallinckrodt Pharmaceutical  Oxiteno Alkest® (sorbitan monolaurate and polysorbate)  Oxiteno September 2011  Oxiteno September 2011	Innophos	Dicalcium phosphates – pharma grade	October 2009	December 2012	April 2016	
Pharmaceutical  Oxiteno Alkest® (sorbitan monolaurate and polysorbate) September 2011	Lyondell	Propylene glycol USP	March 2012	November 2015	December 2018	
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Proctor & Gamble Glycerine - Cincinnati, OH February 2011 September 2014 August 2017	Oxiteno	Alkest® (sorbitan monolaurate and polysorbate)	September 2011			
	Proctor & Gamble	Glycerine – Cincinnati, OH	February 2011	September 2014	August 2017	

For more information call us at +1 855.888.8648 or visit univarsolutions.com/pharma



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