

## Pharma Excipients

Scan	Sensor Number
MCC102-475521	6130007

Model: Pharma Excipients, version 39138095bcee4d0690239d27ec73cc99

## Microcrystalline cellulose 102

### Pharmaceutical Raw Material Identification

This demonstrates a raw material identification (RMID) model for some pharmaceutical excipients, using near-infrared (NIR) spectroscopy data in the 900nm - 1700nm wavelength range. The following excipients were used to build the model

Excipient	Grade	Product	Supplier
Microcrystalline cellulose	101	Avicel PH-101	<a href="#">FMC Health and Nutrition</a>
Microcrystalline cellulose	101	VIVAPUR® 101	<a href="#">JRS Pharma</a>
Microcrystalline cellulose	101		<a href="#">BRENNTAG</a>
Microcrystalline cellulose	101	COMPRECEL®	<a href="#">Mingtai Chemical Co Ltd</a>
Microcrystalline cellulose	102	VIVAPUR® 102	<a href="#">JRS Pharma</a>
Microcrystalline cellulose	102	Avicel PH-102	<a href="#">FMC Health and Nutrition</a>
Magnesium stearate		LIGAMED®	<a href="#">Peter Greven</a>
Maize starch			<a href="#">Grain Processing Corporation</a>
Lactose monohydrate	100		<a href="#">DFE Pharma</a>
Lactose monohydrate	300		<a href="#">DFE Pharma</a>
Lactose monohydrate	anhydrous		<a href="#">DFE Pharma</a>
Lactose monohydrate	spray dried	FlowLac® 90	<a href="#">Meggles Pharma</a>
Lactose monohydrate	spray dried		<a href="#">DFE Pharma</a>

### Methodology

For each sample, approximately 5gm of excipient was placed in a 22mm glass vial and scanned through the base of the vial. The vial was manually shaken after each scan to ensure that a representative selection of spectra were gathered. Training spectra were taken in batches of 20, using the Sagitto iOS app.

#### Disclaimer

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