

## Coffee Blends

Scan	Sensor Number
deluxe	6130007

Model: Coffee Blends, version 8abd3c74795b4a7bb36122c24728bf0e

## Coffee Blend = Havana Deluxe

### Ground Espresso-Roast Coffees

This model demonstrates a classification model for a selection of ground coffee samples, using near-infrared (NIR) spectroscopy data in the 900nm - 1700nm wavelength range. 200gm packets of the following ground espresso-roast coffee samples were purchased at a local supermarket and used to build the model.

Grind	Roast	Brand	Batch	Expiry Date
Espresso	'Oomph!'	<a href="#">Hummingbird Coffee</a>	OOZC	11 Jan 2017
Espresso	'Five Star'	<a href="#">Havana Coffee Works</a>		10 Jan 2017
Espresso	'Super Deluxe'	<a href="#">Havana Coffee Works</a>		6 Feb 2017
Espresso	'Italian' Dark Roast	<a href="#">Robert Harris Coffee Roasters</a>		5 July 2017 13:04
Espresso	'Roma' Dark Roast	<a href="#">Robert Harris Coffee Roasters</a>		20 June 2017 23:02

### Sampling Methodology

Training spectra were taken in batches of 10 samples, using the Sagitto iOS app. A new reference scan was taken immediately prior to each batch, using a 99% Spectralon reflectance standard placed directly against the quartz window of the Sagitto spectrometer. Approximately 2gm of ground coffee was placed in a 22mm glass vial (Bruker part number 83657) 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 from each sample.

#### Disclaimer

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