

Certificate of Analysis

A quality management system registered to the international standard ISO 9001 was used to manufacture and test this material.

Certificate prepared at

Customer details

GRACEFRUIT LIMITED
209 GLASGOW ROAD
LONGCROFT
BONNYBRIDGE
FK4 1QQ

Batch Details

Product Name:	EMULSIFYING WAX NF	Date of test:	18.07.2019
MBAL-PA-(RB) Product Code:	EM02491/0020/B28	Date of manufacture:	17.07.2019
Batch No:	0001560745	Retest date:	16.07.2020

Specification: CREATED 02-JUL-2015

Quality Control Results

Analytical Test Method No.	Characteristic	Specification Limit		Value	Unit	Status
		Lower	Upper			
	Addendum 00	PASS OR FAIL		Pass	-	P
	REVISION NUMBER	0.0		Pass	-	P
	MATERIAL CONFORMS TO	USP/NF		Pass	-	P
	MONOGRAPH NAME	EMULSIFYING WAX		Pass	-	P
G30001	APPEARANCE (COLOUR)	WHITE TO PALE YELLOW		Pass	-	P
G30001	APPEARANCE (FORM)	SOLID		Pass	-	P
G01101	ACID VALUE	0.0	1.0	0.1	mg KOH/g	P
G01701	COLOUR GARDNER	0	1	0	Gardner	P
G01201	HYDROXYL VALUE	178	192	186	mg KOH/g	P
G01503	IODINE VALUE (HANUS)	0.0	3.5	0.1	gl2/100g	P
G03001	MELTING RANGE	50	54	53	°C	P
G04402	PH (3% DISPERSION)	5.5	7.0	6.1		P
G01403	SAPONIFICATION VALUE	0	14	11	mg KOH/g	P
G13300	RESIDUAL ETHYLENE OXIDE	1 PPM MAX		Pass	-	P
G13300	RESIDUAL DIOXANE	5 PPM MAX		Pass	-	P
	RSPO CERTIFICATION NUMBER	BMT-RSPO-000157		Pass	-	P

This Product has been manufactured and tested to GMP in accordance with EXCiPACT

Batch Status: Pass

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The quality tests on this batch are reported above. The tests carried out are those necessary to demonstrate compliance with our product specification and are not intended to guarantee the product as suitable for any application beyond those contained in the specification. We recommend you perform your own quality and or identification checks on receipt

The name printed at the end of this document is an electronic signature.

Confirmed by