

***ACCELERATED STORAGE STABILITY TRIAL FOR  
Xlure MST***

**FINAL REPORT**

**(J 203601)**

Russell IPM  
Unit 45, First Avenue  
Deeside Industrial Park  
Deeside,  
CH5 2NU,  
United Kingdom

# ACCELERATED STORAGE STABILITY TRIAL FOR MST FINAL

## REPORT

**Study Number: 203601**

**Study Director** : Wathek Zair

**Test Facility** : Russell IPM  
Unit 45, First Avenue  
Deeside Industrial Park  
Deeside,  
CH5 2NU,  
United Kingdom

**Contact Number** : 00441244281333

**Email** : [wathek@russellipm.com](mailto:wathek@russellipm.com)

**Study Monitor** : Dr Nayem Hassan

**Sponsors Representative** : Russell IPM  
Unit 45, First Avenue  
Deeside Industrial Park  
Deeside,  
CH5 2NU,  
United Kingdom

**Sponsor** : Russell IPM

To generate storage stability data for MST, before and after accelerated storage for 2 weeks at 54°C (carried out according to CRD guidelines as stated in the Data Requirements Handbook section 2.5.1) in support of registration.

## (2) Test Standard

The following commercially purchased Analytical Standard was employed for the analyses.

Compound	Supplier	Labs Ref	Lot Number	Purity %	Expiry Date
4,8- dimethyldecanal	Russell IPM	S-6063	2011192-0021	98.6	13/08/2018
7-Hydroxy-4,6- dimethylnonan-3-one,	Russell IPM	S-6064	2011192-0022	97.9	13/08/2018
14-methyl-Z-8- hexadecenal	Russell IPM	S-6065	2011192-0023	98.2	13/08/2018

## (3) Test Items

On 11 January 2017 the Sponsor provided samples for the conduct of the study.

On receipt these were labelled with unique reference numbers as given in the table below.

Sponsor's Ref	Sample Reference	Storage Period
Xlure MST Code: 041-XLG-100 Batch5/2204 Exp08/2018	C531/16/0014	Initial
Xlure MST Code: 041-XLG-100 Batch5/2204 Exp12/18	C531/16/0015	2 weeks at 54°C

Sample C531/16/0015 was used for the 2 weeks at 54°C determinations. This was placed in an incubator (Our Ref. Incubator No 41) on 13<sup>th</sup> January 2017.

Monitoring of temperature has been carried out once per day on normal working days during the storage trial period.

The storage sample was weighed before placing on store.

Storage Period	Sample Reference	Weight before and after storage			
		Initially (g)	After 2 weeks (g)	(g)	%
2 Weeks at 54°C	C531/16/0015	100	99.93	-0.07	-0.07

**(4) Study conduct**

Start of Study: 12 January 2017  
 Start of experimental work: 12 January 2017 End  
 of experimental work: 28 January 2017 Final  
 Report issued: 23 February 2017

**(5) 4,8- dimethyldecanal, 7-Hydroxy-4,6- dimethylnonan-3-one, 14-methyl-Z-8- hexadecenal Content**

The assays were carried out, according to Validated Analytical Method M830. The assays were performed on GC –FID System 35.

The following results were obtained:

Storage Period	Sample Reference	4,8- dimethyldecanal, 7-Hydroxy-4,6- dimethylnonan-3-one, 14-methyl-Z-8- hexadecenal (mg)						
		(a)	(b)	(c)	(d)	(e)	(f)	Av.
Initial	C531/16/0012	102	97.0	98.8	107	103	94.8	<b>100</b>
2 Weeks at 54°C	C531/16/0013	102	104	103	101	103	101	<b>102</b>

**(6) Distribution List**

Shams Usmani (Study Monitor)

Russell IPM Ltd

**CERTIFICATE OF ANALYSIS**

**Product:** Xlure MST (Multi Species Beetle Trap & Cartridges)  
**Product Code:** 041-XLG-100 / 041-XLG-200  
**Country of Origin:** United Kingdom

<b>Description</b>	<b>Specification</b>
4,8- dimethyldecanal	1mg±0.1mg
7-Hydroxy-4,6- dimethylnonan-3-one,	1.6mg±0.2mg
14-methyl-Z-8- hexadecenal	1.6mg±0.2mg
Inert ingredients	Various food attractants
Carrier material:	Plastic cartridges and traps

**Wathek Zair**  
**Russell IPM Ltd**