



INDEPENDENT VERIFICATION OF THE PAS CONTENT OF MAXSIL™

25th July 2023

BACKGROUND

The efficacy of any solid silicon fertiliser is based on the contained 'plant available silicon' or PAS. Following the declaration by a peak agricultural body in the USA, that silicon (Si) is a beneficial element (or substance) for plant growth, an accredited PAS test was required to allow comparisons across the various solid silicon fertilisers available in the market.

This led to the development of a standardised 5-day leach test. All solid silicon fertilisers available on the US market now must disclose their contained PAS content, which is determined by accredited test protocol on all their packaging, as well as marketing material.

MaxSil has adopted this accredited test for the determination of the contained PAS content of MaxSil™, but this practice has not yet been adopted by other producers/suppliers of silicon fertilisers in Australia. So, caveat emptor'.

MAXSIL™'S PAS CONTENT ACCORDING TO THE ACCREDITED TEST

The PAS content of MaxSil™ was determined by **Thornton laboratories in the USA**, using the proscribed accredited test. The test results are shown on the laboratory certificate set out below.





**THORNTON LABORATORIES
TESTING & INSPECTION SERVICES, INC.**

1145 E. Cass St, Tampa, FL 33602
Phone: 813-223-9702 Fax: 813-223-9332
WWW.THORNTONLAB.COM

07-Jul-2023
Page 1 of 1

Report For: MaxSil Pty Ltd.
PO Box 126
Ferny Hills DC
Queensland 4055
Attn: David Archer

Sample Identification:

MaxSil™ Product
Id: #120423 DP Bag 1 60A

Date Received: 14-Jun-2023

Laboratory Number: 455279

CERTIFICATE OF ANALYSIS

Method	Parameter	Result	Units
JAOAC, Vol. #96, #2, 2013	Silicon, Soluble (Si)	4.00	%

THORNTON LABORATORIES
Steve Fickett, III

Thornton Laboratories Testing & Inspection Services, Inc. responsibility for the above analysis, opinions,
or interpretations is limited to the invoice amount.





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 Page 1 of 1

Report For: MaxSil Pty Ltd.
 PO Box 126
 Ferny Hills DC
 Queensland 4055
 Attn: David Archer

Sample Identification:

MaxSil™ Product
 Id: #040523 DP Bag 1 61A

Date Received: 14-Jun-2023

Laboratory Number: 455280

CERTIFICATE OF ANALYSIS

Method	Parameter	Result	Units
JAOAC, Vol. #96, #2, 2013	Silicon, Soluble (Si)	4.23	%

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Page 1 of 1

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PO Box 126
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Queensland 4055
Attn: David Archer

Sample Identification:

MaxSil™ Product
Id: #050523 DP Bag 2 62A

Date Received: 14-Jun-2023

Laboratory Number: 455281

CERTIFICATE OF ANALYSIS

Method	Parameter	Result	Units
JAOAC, Vol. #96, #2, 2013	Silicon, Soluble (Si)	3.70	%

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Page 1 of 1

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PO Box 126
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Attn: David Archer

Sample Identification:

MaxSil™ Product
Id: #080523 DP Bag 3 63A

Date Received: 14-Jun-2023

Laboratory Number: 455282

CERTIFICATE OF ANALYSIS

Method	Parameter	Result	Units
JAOAC, Vol. #96, #2, 2013	Silicon, Soluble (Si)	3.70	%

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Page 1 of 1

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PO Box 126
Ferny Hills DC
Queensland 4055
Attn: David Archer

Sample Identification:

MaxSil™ Product
Id: #120523 Bag 1 64A

Date Received: 14-Jun-2023

Laboratory Number: 455283

CERTIFICATE OF ANALYSIS

Method	Parameter	Result	Units
JAOAC, Vol. #96, #2, 2013	Silicon, Soluble (Si)	3.61	%

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Page 1 of 1

Report For: MaxSil Pty Ltd.
PO Box 126
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Queensland 4055
Attn: David Archer

Sample Identification:

MaxSil™ Product
Id: #150523 DP Bag 1 65A

Date Received: 14-Jun-2023

Laboratory Number: 455284

CERTIFICATE OF ANALYSIS

Method	Parameter	Result	Units
JAOAC, Vol. #96, #2, 2013	Silicon, Soluble (Si)	3.69	%

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