



FlindersCook
(Technical Services) Limited

Our Ref: 84748

22 May 2014

Lake Products Ltd
PO Box 100 471
North Shore Mail Centre
AUCKLAND

Attention: Mike Sumner

Dear Mike

Re: Testing Silicone Rubber Component to FDA Food Simulation Test "21 CFR 177.2600"

A silicone rubber component labelled "Pipetite Flat" was received at this laboratory on 19/05/14 for analysis.

We have been asked to test the components against the specifications outlined in the FDA Food Simulation Test "21 CFR 177.2600".

Portions of the component were taken and the surface area was measured. Separate portions were extracted under reflux using the two solvents as dictated – n-hexane and distilled water. The first extraction time was 7 hours, whereby the total extractives were determined. The same portions were subsequently extracted for a further 2 hours and the total extractives determined again.

Our results are as follows:

Extraction Solvent: Distilled Water

	<u>Result</u>	<u>Specification</u>
Total extractives (initial 7 hours)	0.50 mg/square inch	20 max.
Total extractives (subsequent 2 hours)	0.09 mg/square inch	1 max

Extraction Solvent: n-hexane

	<u>Result</u>	<u>Specification</u>
Total extractives (initial 7 hours)	17 mg/square inch	175 max.
Total extractives (subsequent 2 hours)	1.1 mg/square inch	4 max

Given the above results, the samples comply with "FDA 21 CFR 177.2600".

Yours faithfully

FLINDERS COOK (TECHNICAL SERVICES) LTD

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