

**TEST REPORT Nº 372/22**

**CUSTOMER:** **Boxflex Componentes para Calçados LTDA.**  
Avenida dos Municípios,101 – Canudos  
Novo Hamburgo - RS

**SAMPLE DESCRIPTION:**

Sample consisting of blue polymeric material, according to Figure 1, identified by the customer as “Família C/F 5051 AZ/CZ”. Order Test nº 372/22 of 02.21.2022.



**Figure 1:** Sample sent by the customer.

**SAMPLING:**

The samples were selected by the customer.

**REQUIRED TEST:**

- Short Chain Chlorinated Paraffins - SCCP (C<sub>10</sub>-C<sub>13</sub>)
- Medium Chain Chlorinated Paraffins – MCCP (C<sub>14</sub>-C<sub>17</sub>)

**TEST RESULT:**

Components	Result (mg/kg)	LOQ (mg/kg)
Short Chain Chlorinated Paraffins (C <sub>10</sub> -C <sub>13</sub> )	< LOQ	9.5
Medium Chain Chlorinated Paraffins (C <sub>14</sub> -C <sub>17</sub> )	< LOQ	2.5

1 mg/kg = 0.0001% by weight

< LOQ = Lower than the Limit of Quantification

LOQ = Limit of Quantification

*The result (s) is (are) true exclusively for sample (s) tested (s).  
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**Instituto SENAI de Inovação em Engenharia de Polímeros**

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**METHOD/PROCEDURE:**

Short Chain Chlorinated Paraffins (C <sub>10</sub> -C <sub>13</sub> ) and Medium Chain Chlorinated Paraffins (C <sub>14</sub> -C <sub>17</sub> )	According to ISO 18219:2015 (E). The principle of analysis consists of the extraction of paraffins and subsequent analysis by Liquid Chromatography coupled with Electrospray Ionisation-Orbitrap Mass Spectrometry (LC-ESI-HRMS).  Standards: Chloroparaffin C <sub>10</sub> -C <sub>13</sub> 55.5% CI Standard, Chloroparaffin C <sub>10</sub> -C <sub>13</sub> 63% CI Standard (SCCP) and Chloroparaffin C <sub>14</sub> -C <sub>17</sub> 52% CI Standard (MCCP)
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**NOTE:**

Test report issued electronically.

Test period: 02.22.2022 to 02.23.2022

Issue date: 02.24.2022

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CRQ - V 05202336

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