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Your ref.	Our ref./document	telephone
July 29, 2014	WJGM07-074 (1067400)	0531-23899-0

Translation of our test report JRJR01-121 of December 19, 2011

Examination of Protection Lacquer Perco Top 449, RAL 9010

You asked us to examine **Protection Lacquer Perco Top 449, RAL 9010** with respect to 21 CFR 175.300 of the US FDA Regulations.

According to your information the material is intended to be used as protection lacquer for motor housings. These motors are located in packaging machines or machines for the manufacture of foodstuff and may come into contact with food in general.

In order to carry out the examinations we received six housing covers coated with the above mentioned lacquer, area approx. 420 cm².

The coated substrates were brought into contact with dist water, 8 % ethanol and n-heptane under test conditions which are suitable to simulate the influence of foodstuff.

The conditions for testing were applied in accordance with 21 CFR 175.300 of the US FDA Regulations, Condition of Use E.

PROCEDURE OF THE EXAMINATION

Extraction

The amounts of extractive were determined as dry residues of the extracts. The organic components of the dry residue were determined as their chloroform soluble parts according to 21 CFR 175.300 of the US FDA Regulations.

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RESULTS OF THE EXAMINATION

Extraction

Extractant	t/T conditions	Dry residue of extract mg/in²	Chloroform soluble parts of dry residue mg/in²
Dist water	2 h 48.9 °C	0.03	0.006
8 % ethanol	2 h 48.9 °C	0.05	0.02
n-heptane	0.5 h 21 °C	< 0.006	< 0.006

EVALUATION

The dry residues of the extracts as well as their chloroform soluble parts are low. They are below the limits mentioned in 21 CFR 175.300 of the US FDA Regulations.

According to the results of our evaluation **Protection Lacquer Perco Top 449, RAL 9010** complies with regard to its composition and the migration properties with requirements of 21 CFR 175.300 of the US FDA Regulations.

INSTITUT NEHRING GmbH

Dr. Ulrich Nehring
General Manager

Dr. Ulrich P. Nehring
Von der Industrie- u. Handelskammer Braunschweig öffentl. best. u. vereid. Handels- u. Lebensmittelchemiker
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