

**LABORATORY of Regional INSPECTORATE
FOR ENVIRONMENTAL PROTECTION in Poznań**

Poznan 27 march 2006.

PHSC Systemy Czyszczące Sp. z o.o.
Starołęcka 18, 61-361 Poznań

Ref. Research report No 30/LF/06-Z of 24th March 2006 issued by the Laboratory of the Regional Inspectorate for Environmental Protection in Poznań and containing the findings of analyses of total organic carbon (TOC) as biodegradability indicator of water solution of the delivered KTX 05 preparation.

**Report on water solution of KTX 05 biodegradability tests
using the TOC analysis method according to the findings
included in the Report No 30/LF/06-Z of 26th March 2006.**

With reference to the task commissioned by PHSC Systemy Czyszczące Sp. z o.o. Starołęcka 18 61-361 Poznań on 20th Feb 2006 to the Laboratory of the Regional Inspectorate for Environmental Protection in Poznań, analysis of TOC content was conducted in the water solution of KTX 05 coating sample immediately on the day of preparation of the water solution with addition of medium containing bacteria cultures typical for urban wastewater, obtained beyond the final settlement tank and after 20 days' incubation of the solution in oxygen conditions at 25°C – according to the directives for conducting biodegradability tests of organic substances published in Official Journal of the European Communities No L 383 A/187-201 (29.12.92).

Assuming the TOC level in the tested bacteria-containing solution to be the indicator of organic compound biodegradability, it was detected that within the 20 days' sample incubation period 53.6% of the initial content of organic compounds was degraded. Therefore KTX 05 preparation can be described as biodegradable in bacteria-containing water solutions.