

## LASER ABLATION OF THALLIUM COMPOUNDS IN AQUEOUS SUSPENSIONS

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### S u m m a r y

The optical absorption and the luminescence spectra of aqueous solutions of thallium (I) are investigated. The solutions were produced by means of underwater laser ablation of thallium (III) oxide. The laser ablation is investigated both with and without presence of chlorine ions in the solution. The formation of thallium complexes with chlorine ions is verified by the measurements of UV absorption and luminescence spectra.