

**DETERMINATION OF Cr^{III}, Cr^{VI} AND TOTAL Cr IN DRINKING WATER -
METHOD'S EVALUATION.**

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ABSTRACT

The Standard Measurements and Testing program of the European Union (SMT, formerly BCR) launched a project dealing with the production of a certified reference material CRM 544, of the chromium (III) and chromium (VI) species and the total chromium contents in a lyophilised water sample, similar to tap or natural water. Twenty four laboratories from E.E. countries participated in the project, one of which was the laboratory of the Division of Environment, of the Central Chemical State Laboratory of Greece, which achieved the optimization of the analytical methods and the evaluation and assurance of the analytical results, as described below.