Electronic Supplementary Material (ESI) for Journal of Analytical Atomic Spectrometry

SUPPLEMENTARY INFORMATION

Bromine and Iodine Determination in Active Pharmaceutical Ingredients by ICP-MS

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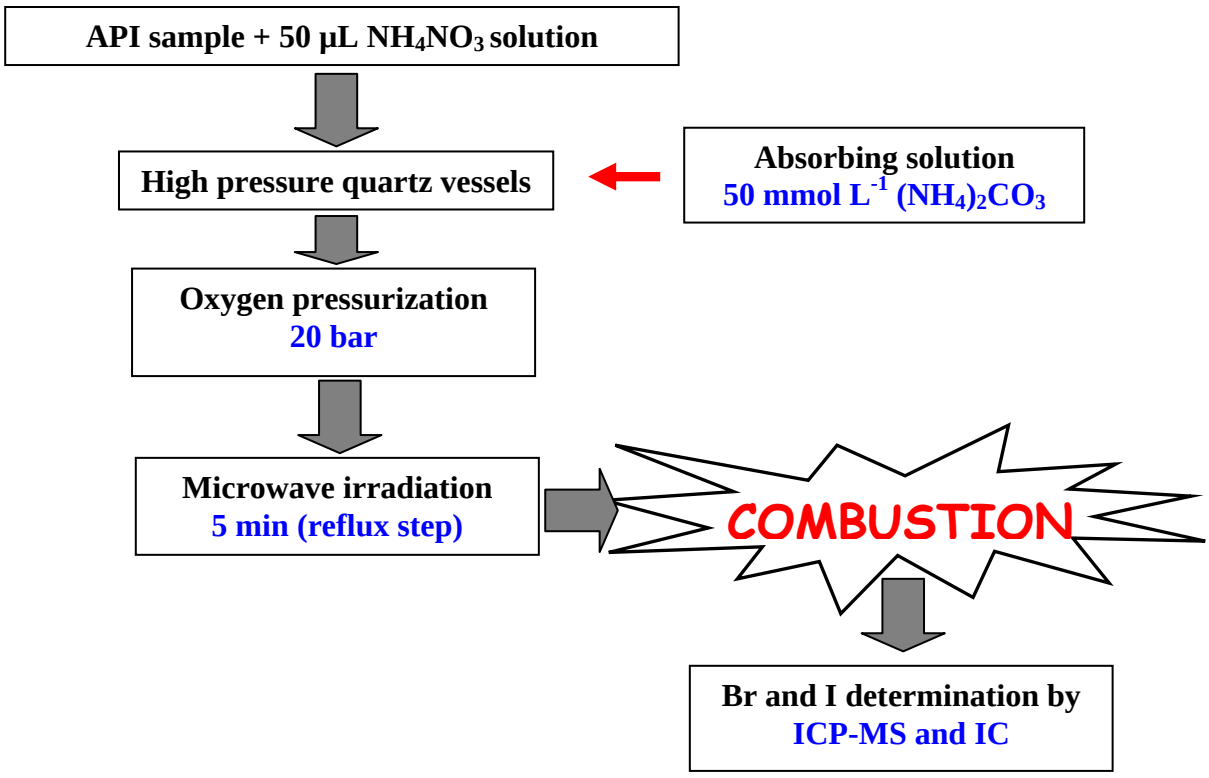
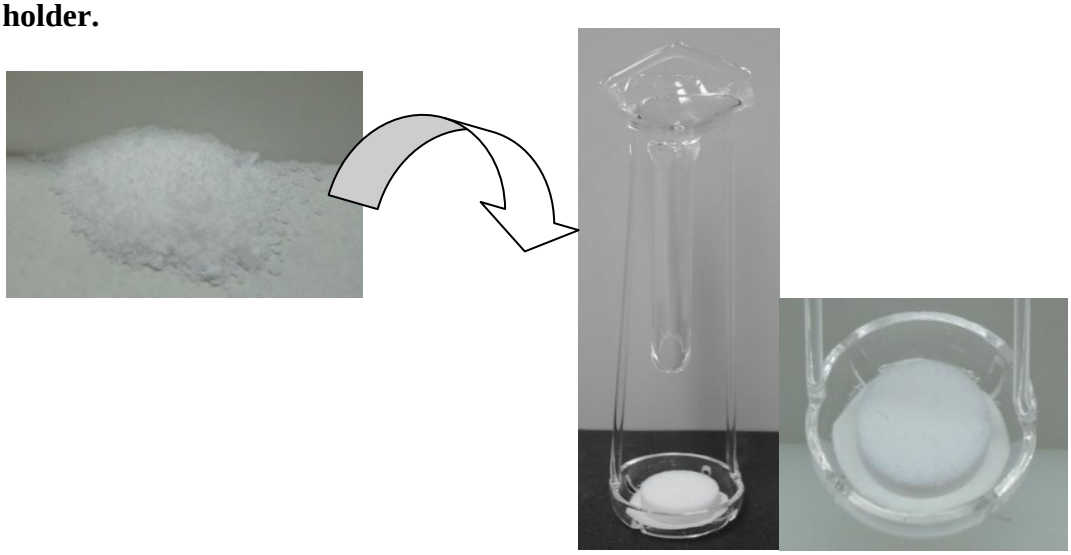
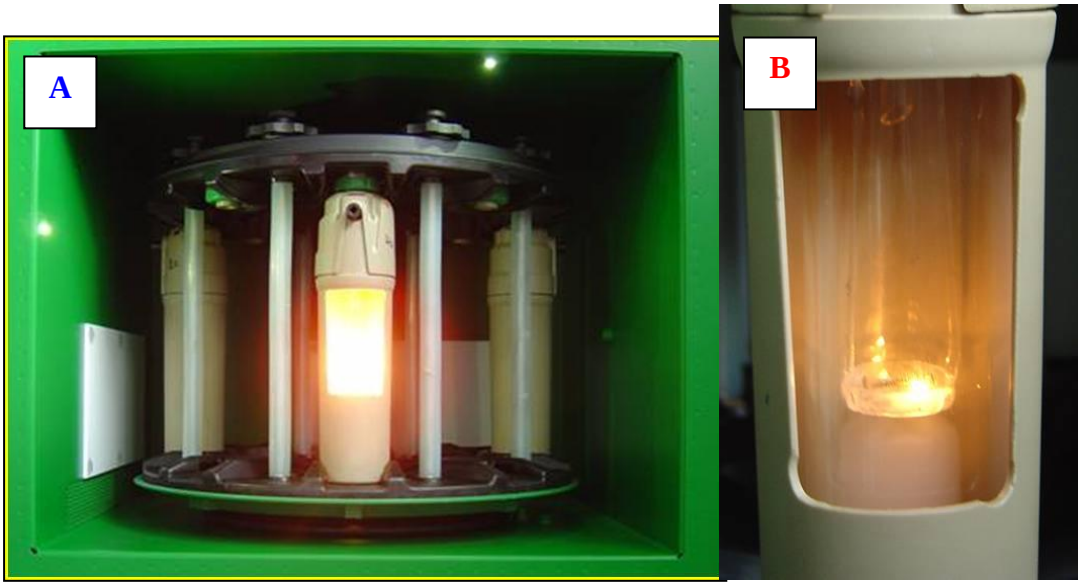
1. Steps of microwave-induced combustion method for active pharmaceutical ingredient (API) digestion and further determination of Br and I by ICP-MS and IC.



2. API sample and sample pressed as pellet for MIC digestion positioned on the quartz holder.



3. API combustion using MIC (500 mg of sample, 20 bar O_2, 5 s of microwave irradiation, temperature of combustion ~ 1400°C). Figure A and B show the quartz vessel in the rotor and the detail of combustion of amoxicillin (500 mg), respectively.



4. Aspect of final digests: A, after microwave-assisted alkaline extraction using 0.11 mol L^{-1} TMAH and B, after microwave induced combustion using 50 mmol L^{-1} $(NH_4)_2CO_3$ as absorbing solution (dilution to 30 mL with water).