



OZONATION OZONOLYSIS OXIDATION

IO3S

The leading independent company in the field
of Ozone Technology and Environmental Analytical Services –
for your benefit and success.



INCREASED PRODUCTIVITY OPTIMIZED OPERATION NEW PROCESSES

We offer you the tools to evaluate the feasibility and economics of the above concepts for your very special needs.

UNIQUE PILOT PLANTS

- Ability to simulate all applications of ozone
- Ozonation alone or in combination with hydrogen peroxide, UV, other oxidants, and/or biological treatment
- State of the art instrumentation linked to computerised data recording
- Provision of relevant, reliable process data for management and technical decisions

IO3S SPECIALISTS

- Chemists: inorganic and organic
- Engineers: process and mechanical
- Business: economic evaluation

OUR REFERENCES

- Feasibility studies
- Optimisation of ozonolysis processes
- Process development for the pharmaceutical industry
- Process development for the mining/mineral industry
- Pulp and paper industry effluent solutions
- Toxic wastewater treatment solutions
- HAZOP studies

LABORATORY FACILITIES

IO3S's laboratories are equipped for the measurement of

- DOC/TOC (Dissolved/Total Organic Carbon)
- AOX (Absorbable Organic halogen bonds)
- EOX (Extractable Organic halogen bonds)
- POX (Purgeable Organic halogen bonds)
- COD (Chemical Oxygen Demand)
- BOD5 (Biological Oxygen Demand) by various methods

with additional analytic infrastructure for

- Metals screening (by ICP) and detailed analysis (by AAS)
- Gas chromatography/Mass spectrometry
- UV-Vis spectrometry
- IR spectrometry
- Ion Chromatography (IC)
- and more

IO3S SERVICES

- Competitive
- Innovative
- Competent
- Unique



THERE IS NO NEED FOR YOU TO MAKE
COSTLY INVESTMENTS IN TEST FACILITIES

PERMIT US TO MAKE YOU A QUOTATION
FOR AN INNOVATIVE APPROACH TO YOUR SITUATION
WITHOUT ANY OBLIGATION ON YOUR PART

IO3S

**DEDICATED TO SUPPORT YOU
TO MAKE THE BEST
BUSINESS DECISIONS**



The IO3S logo consists of the letters 'IO3S' in a bold, sans-serif font. The 'I' and 'O' are grey, while the '3' and 'S' are blue. The background of the entire page is a light blue gradient with a subtle pattern of concentric ripples, suggesting water or a clean, fresh environment.

PROVIDING THE TOOLS NEEDED FOR YOUR SUCCESS

Visit our website: www.io3s.com
for more information on the application
of ozone and the services available from IO3S

Please contact us for detailed information
We look forward to hearing from you

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