

## ASSESSING THE PERFORMANCE OF ROTATIONAL SPECTROSCOPY IN CHIRAL ANALYSIS

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The application of rotational spectroscopy-based methods as tools to deliver accurate and precise chirality-sensitive information are still breaking ground, but their applicability in the challenging field of analytical chemistry is already clear. In a recent study, we explored the current capabilities and challenges of microwave 3-wave mixing (M3WM) and chiral tag rotational spectroscopy - two emerging techniques for chiral analysis based on rotational spectroscopy. In this presentation, we compare the performance of these two techniques with respect to solving the absolute configuration and the enantiomeric excess (ee) of a sample prepared by others and containing a mixture of enantiomers of styrene oxide with a composition unknown to us.