



SDI Review Form 1.6

Journal Name:	Chemical Science International Journal
Manuscript Number:	Ms_CSIJ_36656
Title of the Manuscript:	Crystal Structure and Thermal Properties of Racemic BaC ₄ H ₄ O ₆ •H ₂ O Single Crystals
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)

PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	Racemic barium tartrate monohydrate, BaC ₄ H ₄ O ₆ •H ₂ O, were synthesized and their structural and thermal properties were investigated through X-ray diffraction and thermal analysis (DTA, TG) techniques. The study furnishes atomic coordinates and thermal parameters for the crystal, as well as, the space group, cell parameters, interatomic distances, angles and hydrogen bond parameters for the material. The thermal analysis allowed to understand the thermal decomposition process; at least, it is proposed two processes involving decomposition. In summary, it is a well done work on synthesis and characterization of a new crystal. I think it can be published.	
Minor REVISION comments		
Optional/General comments		

Reviewer Details:

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