

Proximate analysis of *ziziphus sativa*



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CHEMISTRY**

**BY
AMNA SALEEM**

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SESSION: 2013-2017



In the name of

Allah,

The most Beneficent,

The most merciful

Thesis Similarity Report **DECLARATION**

I AMNA SALEEM D/O MUHAMMAD SALEEM

ID: 14005067008, Session 2013-2017 hereby declare that the matter printed in the thesis titled **“Proximate Analysis of Ziziphus Sativa”** Is my own work and has not been printed, published and submitted as research work, thesis or publication in any form in any University, Research institution etc. in Pakistan or Abroad.

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RESEARCH COMPLETION CERTIFICATE



Certified that the research work contained in this thesis titled, “*Proximate Analysis of Ziziphus Sativa*” has been carried out and completed by **AMNA SALEEM, ID: 14005067008**.

The quantum and the quality of the work contained in this thesis is adequate for the award of Degree of BS in Chemistry.

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Dedication

I dedicate my dissertation work to my family and all my Teachers. This thesis work is dedicated to my father, MUHAMMAD SALEEM, who has been a constant source of support and encouragement during the challenges of graduate School and life. I am truly thankful for having you in my life. I also dedicate this work to my Mam UROOJ FATIMA. A special feeling of gratitude to my loving parents MUHAMMAD SALEEM and KOUSAR whose words of encouragement and push for tenacity ring in my ears who have always loved me unconditionally and whose good examples have taught me to work hard for the things that I aspire to achieve.

I also dedicate this dissertation to my all teachers whose efforts make me able to get such wonderful experiences of learning from my childhood. I always appreciate all they have done for helping me in development my technical skills and for helping me to master the leader dots.

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ABSTRACT

Ziziphus Sativa cultivated in Northern areas of Pakistan belongs to Rhamnaceae plant family. It has been use as a food source due to its Red and Green barriers like fruit taste. It is juicy and sweet in taste *Sativa* plant found to be a fruit which is in rich of Minerals, Vitamins, Flavonoids, Phenolic compounds, Carbohydrates and Proteins. Proximate analysis performed by method of Association of official analytical chemist showed good result in *Sativa* plant. It showed good percentage of Dry mass (87.51 %), NFE (69.36 %), Carbohydrate (56.856 %), Moisture (12.504 %) and Fat Content (7.98 %).

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