

REDUCING SUGAR AND FAT CONTENT ESTIMATION IN DIFFERENT BRANDS OF CHOCOLATES

*A project report submitted to the **University of Calicut** in partial
fulfillment of the **BSc. Program in Chemistry***

By

ABHIRAMY SEKHARAN (Reg. No: CRARSCH001)

ALEENA UNNIKRISHNAN (Reg. No: CRARSCH002)

ALSHA C.A (Reg. No: CRARSCH003)

AMRUTHA P.S (Reg. No: CRARSCH004)

ANGELISA JOY E (Reg. No: CRARSCH005)

ANJU P J (Reg. No:CRARSCH006)



CARMEL COLLEGE, MALA

(Nationally Re-accredited with A grade-3rd cycle)

Affiliated to University of Calicut

Mala – 680733

March 2020



CARMEL COLLEGE, MALA

(Nationally Re-accredited with A grade-3rd cycle)

Affiliated to University of Calicut

Mala – 680733

CERTIFICATE

Certified that this is a bonafide record of project work entitled "REDUCING SUGAR AND FAT CONTENT ESTIMATION IN DIFFERENT BRANDS OF CHOCOLATES" done by ABHIRAMY SEKHARAN, ALEENA UNNIKRIISHNAN, ALSHA C.A, AMRUTHA P.S, ANGELISA JOY E and ANJU P J of final year B.Sc. Chemistry under my supervision in the year 2019-2020.

Register numbers: **CRARSCH001, CRARSCH002, CRARSCH003, CRARSCH004, CRARSCH005 and CRARSCH006**



Faculty in charge:

[Signature]
Dr. VIDYA FRANCIS

Asst. Professor
Department of Chemistry

Submitted for project Evaluation held on *4/6/2020*

Examiners:

- 1) *Dr. U.L. Kala* *Kala U.L*
4/6/2020
- 2) *Dr. Vidya Francis* *Vidya*
4/6/2020

QUANTITATIVE STUDY OF SODIUM BENZOATE AND ANALYSIS OF NUTRIENTS IN FRUIT JUICE SAMPLES

A Project Report submitted to the

University of Calicut

In partial fulfillment of the requirement for the award of the degree of

B. Sc. Program in Chemistry

By

ANJU V P (CRARSCH007)

ATHULYA P V (CRARSCH008)

FATHIMA MEHJABIN P (CRARSCH009)

HISANA H M (CRARSCH010)

JESNA JEXAN (CRARSCH011)



CARMEL COLLEGE, MALA

(Nationally Re-accredited with 'A' grade)

Affiliated to University of Calicut

Mala-680732

March 2020



CARMEL COLLEGE, MALA

(Nationally Re-accredited with "A" grade)

Affiliated to University of Calicut

Mala-680732

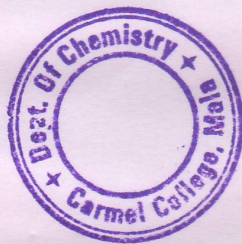
CERTIFICATE

This is to certify that the report on the project entitled "Quantitative study of sodium benzoate and analysis of nutrients in selected fruit juice samples" is a bonafide record of the work carried out by Anju V.P (CRARSCH007), Athulya P.V (CRARSCH008), Fathima Mehjabin P (CRARSCH009), Hisana H.M (CRARSCH010), Jesna Jexan (CRARSCH011) under my supervision and guidance towards the partial fulfillment of requirement for the award of the degree of Bachelor of Science in Chemistry at Carmel College, Mala in the academic year 2019-2020.

Faculty in charge

Dr. Roshini K. Thumpakara

Assistant Professor
Department of Chemistry



Submitted for project Evaluation held on ... 4/6/20 ...

Examiners:

- 1) Dr. U.L Kala - Kala U-L
4/6/2020
- 2) Dr. Vidya Francis - Vidya C
4/6/2020

DETERMINATION OF FREE ALKALI CONTENT AND TOTAL FATTY MATTER INDIFFERENT BRANDED SOAPS.

A project report submitted to the University of Calicut in partial fulfillment

Of the B.Sc. Program in Chemistry

By

Jisna Jacob(CRARSCH012)

Jomol Jose(CRARSCH013)

Kavya K.V(CRARSCH014)

KEERTHANA RAMKUMAR (CRARSCH015)

Neethu Davis(CRARSCH016)



CARMEL COLLEGE, MALA

(Nationally Re-accredited with A grade)

Affiliated to University of Calicut

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March 2020



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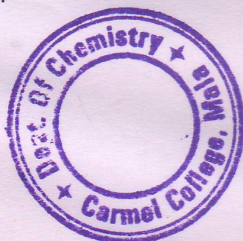
(Nationally Re-accredited with 'A' Grade)

Affiliated to University of Calicut

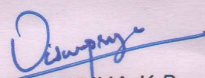
Mala - 680732

CERTIFICATE

Certified that this is a bonafide record of project work entitled "DETERMINATION OF FREE ALKALI CONTENT AND TOTAL FATTY MATTER IN DIFFERENT BRANDED SOAPS" done by JISNA JACOB (Reg. No.CRARSCH012), JOMOL JOSE (Reg. No.CRARSCH013), KAVYA K.V(Reg. No.CRARSCH014), KEERTHANA RAMKUMAR (Reg. No.CRARSCH015) and NEETHU DAVIS (Reg. No.CRARSCH016) of final year B.Sc. Chemistry, Carmel College, Mala under my supervision during the year 2019-2020.



Faculty in charge:


Ms. VISWAPRIYA K P

Assistant Professor on contract

Examiners:

- 1) Dr. U.L Kalar Kalar. U.L
4/6/2020
- 2) Dr. Vidya Francis Vidya F
4/6/2020

Comparative study of Calcium content and Mineral analysis of Egg Shells

A Project Report submitted to the

University of Calicut

In partial fulfillment of the requirement for the award of the degree of

B. Sc. Program in Chemistry

By

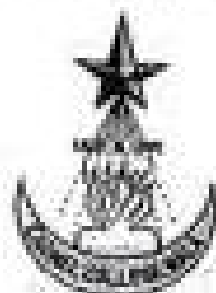
PARVATHY J (CRARSCH017)

ROSEMARY C F (CRARSCH019)

SENNAN H (CRARSCH020)

SHILPA M G (CRARSCH021)

SRI LAKSHMI E V (CRARSCH022)



CARMEL COLLEGE, MALA

(Nationally Re-accredited with 'B' grade)

Affiliated to University of Calicut

Mala-680732

March 2020



CARMEL COLLEGE, MALA

(Nationally Re-accredited with "A" grade)

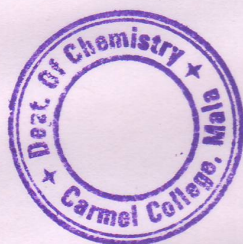
Affiliated to *University of Calicut*

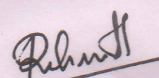
Mala-680732

CERTIFICATE

This is to certify that the report on the project entitled "**Comparative study of calcium content and mineral analysis of egg shells**" is a bonafide record of the work carried out by Parvathy J (CRARSCH017), Rosemary C.F (CRARSCH019), Shilpa M.G (CRARSCH021), Srilakshmi E.V (CRARSCH022), Senna N.H (CRARSCH021) under my supervision and guidance towards the partial fulfillment of requirement for the award of the degree of Bachelor of Science in Chemistry at Carmel College, Mala in the academic year 2019-2020.

Faculty in charge

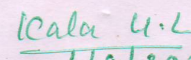
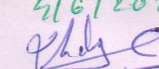



Dr. Roshini K. Thumpakara

Assistant Professor
Department of Chemistry

Submitted for project Evaluation held on ...4/6/20...

Examiners:

- 1) Dr. U.L. Kalar 
4/6/2020
- 2) Dr. Vidya Francis 
4/6/2020



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(Nationally Re-accredited with "A" grade)
Affiliated to University of Calicut
Mala-680732

COMPARATIVE STUDY OF PHYSICO-CHEMICAL PARAMETERS OF COCONUT WATER

A Project Report submitted to the
University of Calicut
In partial fulfilment of the requirement for the award of the degree of
B. Sc. Program in Chemistry

BY

VANDANA JAYACHANDRAN	CRARSCH023
AISWARYA K	CRARSCH024
ANITTA MARIA SOGI	CRARSCH025
ANJANA M.J	CRARSCH026
ANN MARIA JIBBY M	CRARSCH027

February 2020



CARMEL COLLEGE, MALA

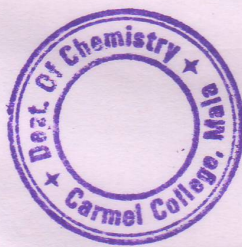
(Nationally Re-accredited with "A" grade)

Affiliated to University of Calicut

Mala-680732

CERTIFICATE

This is to certify that the report on the project entitled “**Comparative study of Physico-Chemical Parameters of Coconut Water**” is a bonafide record of the work carried out by Vandana Jayachandran (CRARSCH023), Aiswarya K (CRARSCH024), Anitta Maria Sogi (CRARSCH025), Anjana M.J (CRARSCH026), Ann Maria Jibby M (CRARSCH027) under my supervision and guidance towards the partial fulfillment of requirement for the award of the degree of Bachelor of Science in Chemistry at Carmel College, Mala in the academic year 2019-2020.



Faculty in charge

Princy K.G.P

Dr. Princy K.G

Associate Professor
Department of Chemistry

Submitted for project Evaluation held on

Examiners:

- 1) *Dr. U.L Kala* U.L Kala
5/6/2020
- 2) *Dr. Vidya Francis* Vidya Francis
5/6/2020

ANTACID SUSPENSIONS – A STUDY OF ACID NEUTRALIZING CAPACITY AND MAGNESIUM ESTIMATION

*A project report submitted to the University of Calicut in partial fulfillment
of the BSc. Program in Chemistry*

By

ANU SHAJI (CRARSCHO28)

ASWANI E V (CRARSCHO29)

ATHIRA SAJI (CRARSCHO30)

CRESENTA P JOSE (CRARSCHO31)

GINU MATHEWS (CRARSCHO32)

JISMI V B (CRARSCHO33)



CARMEL COLLEGE, MALA

(Nationally Re-accredited with A grade)

Affiliated to University of Calicut

Mala - 680732

March 2020



CARMEL COLLEGE, MALA

(Nationally Re-accredited with A grade)

Affiliated to University of Calicut

Mala - 680732

CERTIFICATE

Certified that this is a bonafide record of project work entitled "**ANTACID SUSPENSION - A STUDY OF ACID NEUTRALIZING CAPACITY AND MAGNESIUM ESTIMATION**" done by **ANU SHAJI, ASWANI E V, ATHIRA SAJI, CRESSENTA P JOSE, GINU MATHEWS, JISMI V B** of final year B.Sc. Chemistry under my supervision in the year 2019-2020



Faculty in charge:

[Signature]
Dr. VIDYA FRANCIS

Asst. professor
Department of Chemistry

Submitted for project Evaluation held on 4/6/2020

Examiners:

- 1) *Dr. u.l Kala* Kala u.l
4/6/2020
- 2) *Dr. Vidya Francis* [Signature]
4/6/2020



CARMEL COLLEGE, MALA
(Nationally Re-accredited with "A" grade)
Affiliated to University of Calicut
Mala-680732

**QUANTITATIVE ANALYSIS OF
IRON, CALCIUM AND OXALATE
CONTENT IN DRY FRUITS -A COMPARATIVE
STUDY**

A Project Report submitted to the
University of Calicut

*In partial fulfillment of the requirement for the award of the degree
of*

B. Sc. Program in Chemistry

BY

KARTHIKA SUDHAKARAN - Reg. No: CRARSCH034
MEGHA V M - Reg No: CRARSCH035
NIMA JOSE - Reg No: CRARSCH036
PRIYAMVADA JAIN - Reg No: CRARSCH037
SANDRA K F - Reg No: CRARSCH038

March 2020



CARMEL COLLEGE, MALA

(Nationally Re-accredited with A grade)

Affiliated to University of Calicut

Mala - 680732

CERTIFICATE

Certified that this is a bonafide record of project work entitled
"Quantitative analysis of iron, calcium and oxalate content in Dry fruits- A
comparative study" done by KARTHIKA SUDHAKARAN , MEGHAVM,
NIMA JOSE, PRIYAMVADA JAIN , SANDRA K F of final year B.Sc.
Chemistry under my supervision in the year 2019-2020

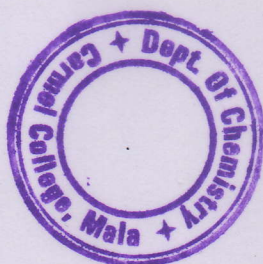
Register number-: CRARSCH034

CRARSCH035

CRARSCH036

CRARSCH037

CRARSCH038



Faculty in charge

Princy K-G
Dr. Princy K.G

Associate professor

Department of Chemistry

Submitted for project Evaluation held on *4/6/2020*

Examiners:

- 1) *Dr. U.L. Kala* *Kala. U.L*
4/6/2020
- 2) *Dr. Vidya Francis* *Vidya*
4/6/2020