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## Preparation and Evaluation of Unani Formulation: Roghan-e-Farfiyun

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**Abstract:** Roghan-e-Farfiyun is an ancient unani formulation used to treat many different ailments, despite the fact that Roghan-e-Farfiyun has enormous relevance and great significance, no extensive data available for its standardization. The present work intends to prepare and standardize Roghan-e-Farfiyun by various physicochemical parameters.

**Keywords:** Roghan-e-Farfiyun, Unani System of Medicine, Standardization

## INTRODUCTION

Traditional systems of medicine including Unani, Ayurveda, Sidha, Homeopathy, Naturopathy, etc. are gathering increasing recognition in modern years. Traditional systems of medicine have constantly played a significant role in meeting global health care needs. The World Health Organization (WHO) estimates that 80 percent of the world population utilizes herbal medicine for some treatment purposes. This is also in Media that almost immediately AYUSH (Department of complementary and alternative medicine) will be the mainstream medical science ahead. The World Health Organization (WHO) has recognized the Unani System of Medicine (USM) as an alternative system to provide to the health care requirements of the human population. Unani medicine is a versatile or multipurpose system due to its potency to treat several health circumstances. It is evident that the Unani system of medicine has an absolute scientific view of

health and disease and has better modes of treatment by which a person can lead a strong life with the least or zero sickness. But the need of the hour is to rediscover its time tested conventional form and to research the molecular basis of unani system, using present tools and techniques In the current attempt; it is planned to prepare and standardize Roghan-e-Farfiyun by various physicochemical parameters.

## MATERIAL AND METHODS

### Preparation of Roghan-e-Farfiyun

All the ingredients were weighed accurately and placed separately. Prescribed quantity of taila was subjected for heating on water bath, after sufficient heating prescribed quantity of other ingredients were added. This mixture was stirred intermittently till the mixture produce sufficient consistency. The mixture was filtered when hot and used for further analysis. <sup>2</sup>

Table 1: Formulation Table

Sr. No.	Ingredient	Quantity
1	Rai Tel ( Mustard Oil)	1000 gm
2	Azraki ( Nux vomica)	15 gm
3	Farfiyun( euphorbia Gum)	15 gm
4	Lassan ( Garlic)	100 gm

### Organoleptic evaluation

Different parameters were studied such as color, odor and taste. <sup>3,4</sup>

### Physicochemical evaluation

The physicochemical evaluation was carried out with respect to acid value, saponification value, peroxide value, refractive index, viscosity, density, pH and total solid content as per standard methods. <sup>3,4,5</sup>

### Preliminary Phytochemical analysis

The formulation was then subjected to preliminary phytochemical screening to detect the presence of various phytoconstituent as per standard methods. <sup>6,7</sup>

## RESULTS AND DISCUSSION

The observations for the organoleptic evaluations were reported in Table 2 where it was found that formulation was Brownish white color, with a characteristic odor and Sweet and astringent taste.

Table 2: Organoleptic properties of Roghan-e-Farfiyun

Sr. No.	Evaluation Parameter	Observation
1	Colour	Reddish
2	Odour	Pleasant
3	Taste	Spicy

### Physical Parameters

The observations for the physical evaluations were reported in Table 3 where it was found that formulation have all the value within the standard limits.

Table 3: Physicochemical properties of Roghan-e-Farfiyun

Sr. No.	Evaluation Parameter	Observation
1	acid value	0.820 ± 0.75
2	saponification value	158 ± 1.48
3	peroxide value	4.42 ± 1.34
4	Refractive index	1.52±0.08
5	Viscosity	1.32±0.15
6	total solid content	3.54 ± 0.72
7	pH	8.24±0.08
8	Density	0.83±0.18
9	Optical rotation	1.84 ± 0.57
10	Specific gravity	1.58±0.42

### Phytochemical analysis

The results of phytochemical analysis were tabulated in Table 4 which shows the presence of carbohydrate, saponin glycosides, alkaloids, flavonoids and tannins as a major secondary metabolites.

### CONCLUSION

The study shows that the Roghan-e-Farfiyun is to be best unani formulation with good quality and purity, all these investigations were may be helpful in authentication and standardization of Roghan-e-Farfiyun. The result of present study will also serve as reference monograph in the preparation of drug formulation.

Table 4: Phytochemical evaluation of Roghan-e-Farfiyun

Sr. No.	Evaluation Parameter	Observation
1	Carbohydrate	Present
2	Protein	Absent
3	Amino acid	Absent
4	Steroids	Absent
5	Cardiac Glycosides	Absent
6	Anthraquinone Glycosides	Absent
7	Saponin Glycosides	Present
8	Cynogenic Glycosides	Absent
9	Coumarin Glycoside	Absent
10	Alkaloids	Present
11	Flavonoids	Present
12	Tannins	Present

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