

## Short Communication

### **Edible noodles (Vermicelli & Maggi) possesses good suspending activity and can use in Pharmaceutical formulation**

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**Abstract:** Suspensions are prepared using Vermicelli, Maggi and tragacanth as suspending agents. Suspension are subjected to sediment all together and the ultimate height and sedimentation volume are measured. It is found that both the vermicelli and maggi are having very nice suspending activity.

**Keywords:** Resealed Erythrocytes, Cellular Carriers, Carrier Erythrocytes, Carrier RBCs.

#### **INTRODUCTION**

Suspensions are defined as heterogeneous system consisting of two phases. The continuous (or) semisolid (or) external phase and internal phase (or) dispersed phase which is made up of particulate matter i.e., insoluble in but dispersed throughout the continuous phase [1].

Vermicelli and Maggi are widely used in India. When Vermicelli and maggi are mixed with water these become sticky in nature. So these can be used as suspending agents[2,3]. Both these two materials are food materials and if we used in suspension along with medicines the patient will get the nutrients. Since these are food materials so it will not produce any toxic effects.

#### **MATERIALS**

##### **Chemicals**

Light Kaolin, Magnesium carbonate, Calcium carbonate, Tragacanth, Vermicelli and Maggi (manufactured by NESTLE, India).

##### **Apparatus**

Mortar and pestle, Beaker, Measuring cylinder, Spatula.

#### **Prescription of suspension[3,4]**

##### **Suspension (Control)**

Light Kaolin	1gm
Magnesium carbonate	1 gm
Calcium carbonate	1gm
Distilled Water	q s.

##### **Suspension T (1%)**

Light Kaolin	1gm
Magnesium carbonate	1 gm
Calcium carbonate	1gm
Tragacanth	1gm
Distilled Water	q s.

##### **Suspension T(2%)**

Light Kaolin	1gm
Magnesium carbonate	1 gm
Calcium carbonate	1gm
Tragacanth	2gm
Distilled Water	q s.

##### **Suspension M (1%)100 ml**

Light Kaolin	1gm
Magnesium carbonate	1 gm
Calcium carbonate	1gm
Maggi	1gm
Distilled Water	q s.

##### **Suspension M (2%) 100 ml**

Light Kaolin	1gm
Magnesium carbonate	1 gm
Calcium carbonate	1gm
Maggi	2gm
Distilled Water	q. s.

##### **Suspension S(1%) 100 ml**

Light Kaolin	1gm
Magnesium carbonate	1 gm
Calcium carbonate	1gm
Vermicelli	1gm
Distilled Water	q. s.

##### **Suspension S (2%) 100 ml**

Light Kaolin	1gm
Magnesium carbonate	1 gm
Calcium carbonate	1gm
Vermicelli	2gm
Distilled Water	q s.

#### **METHOD [5]**

Suspension is prepared by Wet method. Specific amount of light Kaolin, magnesium carbonate, Calcium carbonate are taken in a clean mortar and then triturated

properly. Specific amounts of Tragacanth, vermicelli and maggi are added and triturated. small amount of distilled water is added and make a smooth paste. Then taken in a

measuring cylinder and make up the volume upto 100 ml by distilled water.

**RESULTS:**

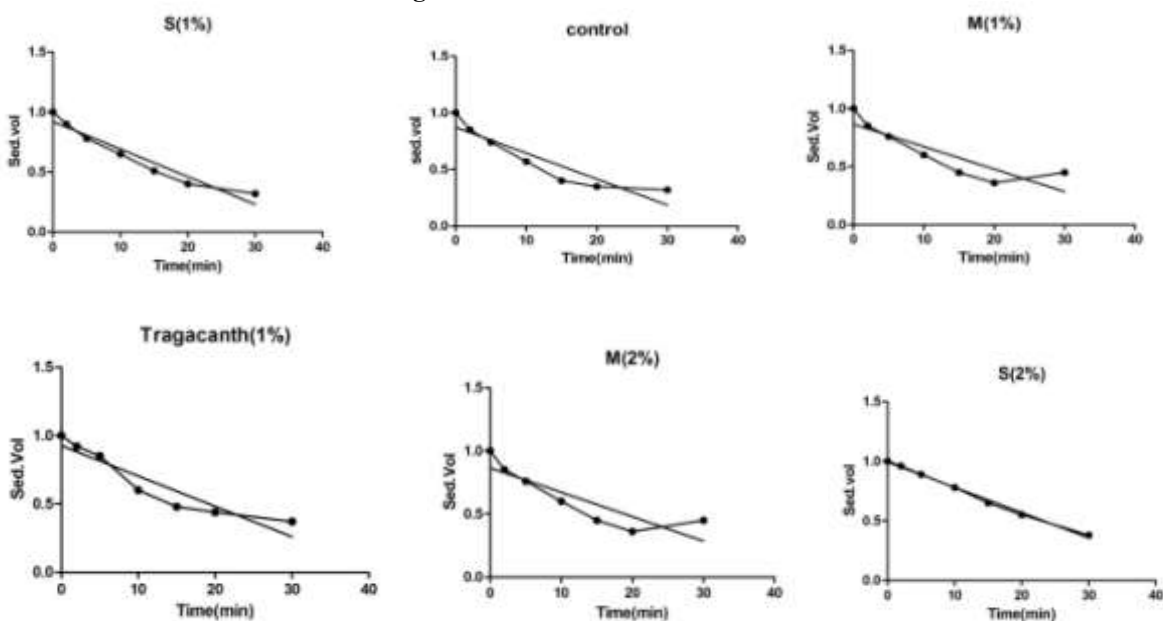
**Table1: sedimentation volume of suspension using 1% suspending agent**

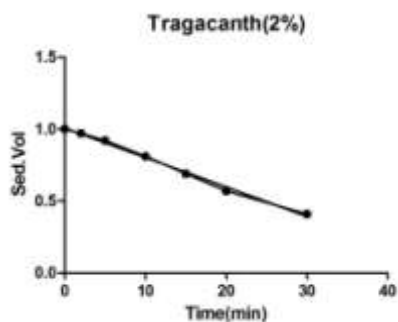
Time (min)	Ultimate Height(Hu) Control (0%)	Sediment ation Volume (Control)	Ultimate Height (Hu) Tragacanth (T) (1%)	Sedimen tation Volume (T) (1%)	Ultimate Height (Hu) Vermicelli (S) (1%)	Sedime ntation Volume (S) (1%)	Ultimate Height (Hu) Maggi (M) (1%)	Sediment ation Volume (M) (1%)
0	100	1	100	1	100	1	100	1
2	85	0.85	92	0.92	90	0.90	85	0.85
5	74	0.74	85	0.85	78	0.78	76	0.76
10	57	0.57	60	0.60	65	0.65	60	0.60
15	40	0.40	48	0.48	51	0.51	45	0.45
20	35	0.35	44	0.44	40	0.40	36	0.36
30	32	0.32	37	0.37	32	0.32	34	0.45

**Table2: sedimentation volume of suspension using 2% suspending agent**

Time (min)	Ultimate Height(Hu) Control (0%)	Sediment ation Volume (Control)	Ultimate Height (Hu) Tragacanth (T) (2%)	Sediment ation Volume (T) (2%)	Ultimate Height (Hu) Vermicelli (S) (2%)	Sediment ation Volume (S) (2%)	Ultimate Height (Hu) Maggi (M) (2%)	Sediment ation Volume (M) (2%)
0	100	1	100	1	100	1	100	1
2	85	0.85	97	0.97	96	0.96	96	0.96
5	74	0.74	92	0.92	89	0.89	88	0.88
10	57	0.57	81	0.81	78	0.78	73	0.73
15	40	0.40	69	0.69	65	0.65	60	0.60
20	35	0.35	58	0.57	55	0.55	48	0.48
30	32	0.32	41	0.41	38	0.38	36	0.36

**Fig-1: Sedimentation volume of various formulation**





### CONCLUSION

Both maggi and vermicelli are noddles which are widely used as food. From the above experiments it was found that both Maggi and Vermicelli having suspending activity. When maggi,vermicelli and tragacanth are used as suspending agents in same concentration it was found that vermicelli is having more suspending activity than maggi. But it is clear that vermicelli having less activity than Tragacanth. Since both are food materials and having very nice suspending activity so it can be used.

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