

## NOTES

## Neutral Taila Content Study of Dasmula Taila

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A study on neutral taila content (NTC) property of Dasmula taila was undertaken. The NTC values of tila taila, murchhita tila taila and Dasmula taila are found to be 95.56, 95.91 and 93.94% respectively. Medicinal values of Dasmula taila have also been determined in different times and packets.

*Old tailas are better for the diseases* is written in ancient books of Ayurveda. Dasmula taila is an important Ayurvedic medicine, widely used since a long time. Dasmula taila is available in the market, but its quality may not be up to the standard, and if the same is used it is likely to produce some toxic effects. The study of Dasmula taila has also been done<sup>1-3</sup>, but the accurate identity of this taila is still unclear. Keeping this in view, the present paper is concerned with neutral taila content (NTC) of Dasmula taila, when it was packed in glass bottles and plastic containers and kept in natural light and dark. *How much the percentage of base taila has been converted into medicine* is determined by NTC values, which is also very useful to maintain purity and relation to the diseases. Acid, ester and unsaponification values were determined by described methods. NTC<sup>4</sup> and medicinal value (MV) values are calculated by Eqs. (1) and (2):

$$\text{NTC} = \frac{100 \frac{(E)}{(A)} + 0.0225(E)}{1 + (E)/(A)} \times \frac{100 - (U)}{100} \quad (1)$$

$$\text{Medicinal value (MV)} = \text{NTC value of murchhita tila taila} \\ - \text{NTC value of Dasmula taila} \quad (2)$$

NTC values of tila taila and murchhita tila taila are found to be 95.56 and 95.91% respectively<sup>3</sup>. Higher NTC value of murchhita tila taila indicates that murchhita process is very necessary for the preparation of Ayurveda tailas from base tailas. *Old tailas are better for diseases* is supported by NTC values i.e. NTC values of Dasmula taila are decreasing as the time increases (Table 1). NTC values of plastic light packing are decreasing faster than other packets; this may be due the rancidity effect<sup>5</sup>. After 4 months the medicinal values of Dasmula taila are found to be approximately same in all packets except plastic light; this is also supported by the rancidity.<sup>6</sup>

TABLE 1  
NEUTRAL TAILA CONTENT STUDY OF DASMULA TAILA

Month	Type of packing	Acid value (A)	Ester value (E)	Unsaponifiable matter (U)	NTC %	MV from tila taila	MV from murchhita tila taila
Initial	Initial	07.18	182.22	2.52	93.94	1.62	1.97
04	GL	09.17	180.43	2.52	92.96	2.60	2.95
	GD	08.90	180.70	2.51	93.10	2.46	2.81
	PD	09.16	180.29	2.50	92.98	2.58	2.93
	PL	09.33	180.35	2.49	92.90	3.01	3.01
08	GL	09.28	180.39	2.51	92.91	2.65	3.00
	GD	09.00	179.62	2.51	93.03	2.53	2.88
	PD	09.32	180.17	2.49	92.92	2.64	2.99
	PL	10.00	178.61	2.32	92.71	2.85	3.02
12	GL	09.35	180.29	2.48	92.95	2.61	2.96
	GD	09.36	179.30	2.48	92.88	2.68	3.03
	PD	09.84	178.65	2.48	92.63	2.98	3.28
	PL	10.89	176.76	2.21	92.34	3.22	3.57
16	GL	09.47	180.21	2.47	92.86	2.70	3.05
	GD	09.94	178.73	2.42	92.65	2.91	3.26
	PD	09.93	178.59	2.44	92.63	2.93	3.28
	PL	12.00	174.67	2.57	91.79	3.77	4.12

GL = Glass light, GD = Glass dark, PD = Plastic dark, PL = Plastic light, NTC = Neutral taila content, MV = Medicinal value

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