

## A CRITICAL REVIEW OF BHAISHJYARATNAVALI WITH SPECIAL REFERENCE TO *MANASHILA* (ARSENIC DISULPHIDE) AND *SOMALA* (ARSENIC OXIDE)

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### ABSTRACT

Three arsenic compounds i.e. *Manashila* (Realgar-Arsenic disulphide) and *Somala* (Arsenic oxide), are considered as the deadly poisonous compounds in *Ayurveda*, but these compounds after proper processing (*Shodhana*) have miraculous medicinal effects on human body. Special indication of these three compound in the form of certain formulation for the managent of different critical diseases are mentioned in various texts of *Rasasastra* (alchemy) in *Ayurveda*, *Siddha* system as in *Bhaisajyaratnavali* also. Single handed information regarding these two (*Manashila* and *Somala*) arsenic compounds containing formulation of *Bhajajyaratnavali* is not available. Hence, in this review an attempt has been made to collect various indications of different formulations containing *Manashila* and *Somala* from the text *Bhaisajyaratnavali*. In this review, *Bhaishjyaratnavali* was critically reviewed on three well known arseneous compound i.e. *Manahshila* (Realgar-Arsenic disulphide) and *Somala* (Arsenic oxide), used as

content/ ingredients in different formulations with their dose, *Anupana*, ingredients with respect to different disease conditions. Present review of *Bhaisajyaratnavali* reveals that total 208 formulations contain, *Manahshila* and *Soamala* as an ingredient. Among these 127 formulations *Manahshila* is in 119 formulations, *Somala* is in 4 formulations, whereas *Somala* and *Manahshila* is in 4 formulations.

**KEYWORDS:** *Manashila, Somala, Arsenous, Bhaishjyaratnavali.*

## INTRODUCTION

In the field of medicine and treatment, *Ayurveda* is the traditional system of Medicine in India and one of the prime modalities of health care. The main aim of *Ayurveda* is to prevention of diseases and its treatment. There are two main pillar of *Ayurveda* are *Veda* and *Samhita*. The way of treatment with *Ayurveda* has been developed with time to time. *Rasa Shastra* is a very ancient text and it is the result of more than thousand years of research. The initiations of *Rasa Shastra* are well known from *Vedic* period. It is also gaining importance globally and hence to address the burning issue of evidence based scientific study to prove itself in this era. Among *Ayurvedic* texts *Bhaishjyaratnavali* is considered as the main formulary by the scholars.

Three arsenic compounds i.e. *Manashila* (Realgar-Arsenic disulphide) and *Somala* (Arsenic oxide), comes under *Uparasa Varga* and *Sadharna Rasa* respectively and are considered as the deadly poisonous compounds, but in *Ayurveda* these compounds after proper processing (*Shodhana*) have miraculous medicinal effects on human body.<sup>[1]</sup> The arsenic content *Manahshila* (Arsenic disulphide,  $As_2S_2$ ) is also known as *Mainsila, Manogupta, Nepalika* etc. It is also called as realgar. *Manahshila* occurs as a bright red colour and coatings on other substances, as compact & granular masses and as lustrous monoclinic crystalline solid. It is non conductor of heat.<sup>[2]</sup> Rasendra Chudamani has mentioned three varieties of *Manahshila* as *Syamangi, Kanavirka & Khandakhya*. According to *Ayurveda Prakash*, *Syamangi* is red in colour just like *Hingula*, *Kanvirka* is red in colour just like *Tamra* and *Khandakhya* is slightly red and yellow in colour, heavy in weight. *Manahshila* generally occurs in association with (Opriment).<sup>[3]</sup> It is used in many formulations like *Kalanalrasa, Kulavadhurasa, Gadamurarirasa, Trailokyachintamani rasa* etc.<sup>[4]</sup> *Somala* is a mineral comes under *Sadharana Rasa* and also known as white arsenic (Arsenic Oxide,  $As_2O_3$ ). In many *Ayurvedic* text of *Rasa Shastra* *Somala* is also known as *Gauripashana, Sankhiya, Sahnkhavisha, Mallaka, Darumocha, Phenashma* etc.<sup>[5]</sup> It is white like tin in colour on fresh

fracture surface. It has two varieties i.e. *Parvata Sambhava*, *Kritrima (Tala sambhava)*. According to texts, it is obtained from two sources Viz. Mountains or minerals. It is found with the association with sulphur, iron or copper.<sup>[6]</sup> *Somala* used in many formulations like *Sameera Pannaga Rasa*, *Mallavati*, *Mallasindoora*, *Kalanalarasa* etc. *Tankanajala* is used as its antidote.<sup>[7]</sup>

Special indication of these three compound in the form of certain formulation for the management of different critical diseases are mentioned in various texts of *Rasasastra* (alchemy) in *Ayurveda*, *Siddha* system as in *Bhaisajyaratnavali* also. Single handed information regarding these three, (manashila and somala) arsenic compounds containing formulation along with its dose *Anupana* and indications of *Bhajasajyaratnavali* are not available. Hence, in this review an attempt has been made to collect various indications of different formulations containing *Manashila* and *Somala* along with its dose and *Anupana* from the text *Bhaisajyaratnavali*.

## MATERIAL AND METHODS

In this review, *Bhaisajyaratnavali* was critically reviewed on three well known arsenic compound i.e. *Manashila* (Realgar-Arsenic disulphide) and *Somala* (Arsenic oxide), used as content/ ingredients in different formulations with their dose, *Anupana*, ingredients with respect to different disease conditions.

The whole data were categorized, compiled, arranged accordingly in tabulated form and has been represented in Table 1.

## RESULTS

Sr No	Rasa yoga	Dose	Anupana	Indication	Reference
1.	Gudamurari Rasa	250 mg	<i>Ushna Jala</i> (warm water)	<i>Aamjvara</i>	Jwraadhikara, 5/560
2.	<i>Kulvadhurasa Nasya</i>	60-250 mg		<i>Pralapa-Tandra, Sannipat jvara</i> (as a <i>Nasya</i> )	Jwraadhikara, 5/516-517
3.	<i>Chakri Rasa</i>	125 mg	<i>Tulasipatra swara &amp; Madhu</i>	<i>Tandrayukta jvara, Daha, Pipasa etc.</i>	Jwraadhikara, 5/615-616
4.	<i>Mritothapana Rasa</i>	125-250 mg	<i>Sh.Hingu, Karpoor, Trikatu churna, Aardraka swarasa &amp; Madhu</i>	<i>Sannipatjvara</i>	Jwraadhikara, 5/627-631
5.	<i>Mritasanjivana Rasa</i>	125 mg	<i>Aardraka swarasa &amp; Madhu</i>	<i>Sannipatajvara</i>	Jwraadhikara, 5/632-636
6.	<i>Suchikabharana Rasa</i>	5 mg	External application	<i>Sannipatajvara</i>	Jwraadhikara, 5/644-645
7.	<i>Panniyavatika Siddhplaha</i>	30 mg	<i>Jala</i> (Water)	<i>Sannipatjvara, Daha, Shwasa, Kasa, Hikka, Malavarodha, Ashmari</i>	Jwraadhikara, 5/668-687
8.	<i>Aghoranrisingh Rasa</i>	10 mg	<i>Narikel jala</i> (Coconut water)	<i>Sannipat jvara</i>	Jwraadhikara, 5/711-718
9.	<i>Sannipatabhairava Rasa</i>	10 mg	<i>Aardraka swarasa &amp; Madhu</i>	<i>Sannipatajvara</i>	Jwraadhikara, 5/731-733
10.	<i>Kalagnibhairava Rasa</i>	250 mg	<i>Narikela Jala</i> (Coconut water)	<i>Sannipatajvara</i>	Jwraadhikara, 5/758-765
11.	<i>Trailokyachintamani Rasa</i>	60 mg	<i>Narikela Jala</i> (Coconut water)	<i>sanipatajvara</i>	Jwraadhikara, 5/766-771
12.	<i>Vadavanala Rasa-2</i>	60-125 mg	<i>Narikela Jala</i>	<i>Sannipatajvara</i>	Jwraadhikara, 5/781-784
13.	<i>Pratapalankesha Rga bhasa</i>	125 mg	<i>Chitraka kwatha &amp; Aardraka swarasa</i>	<i>Sannipatajvara</i>	Jwraadhikara, 5/823-841
14.	<i>Shleshmakalanala Rasa</i>	125 mg	<i>Aardraka swarasa &amp; Madhu</i>	<i>Kaphaj jvara, Kapha-Vatajavara, Sannipatajavara</i>	Jwraadhikara, 5/847-851
15.	<i>Kalanala Rasa</i>	10 mg	<i>Aardraka swarasa &amp; Madhu</i>	<i>Sannipatajvara</i>	Jwraadhikara, 5/842-855
16.	<i>Rasaraja Rasa</i>	250 mg	<i>Tambulapatra</i>	<i>Sarvjvarahara</i>	Jwraadhikara, 5/894-897
17.	<i>Parnakhandeshwara Rasa</i>	125 mg	<i>Tambulapatra</i>	<i>Sarvajvarahara</i>	Jwraadhikara, 5/905
18.	<i>Jvarankusha Rasa Vrihata</i>	125 mg	<i>Aardraka swarasa &amp; Madhu</i>	<i>Vishama jvara</i> (Malaria)	Jwraadhikara, 5/929-935
19.	<i>Mahajvarankusha Rasa</i>	125 mg	<i>Aardraka &amp; Madhu</i>	<i>Vishama jvara</i>	Jwraadhikara, 5/936-939
20.	<i>Ratnagiri Rasa</i>	125 mg	<i>Aardraka swarasa &amp; Madhu or Ushnodaka</i> (Warm Water)	<i>Vishama jvara, Vaata, kapha-Pitta Jvara</i>	Jwraadhikara, 5/942-945
21.	<i>Vishamajvaraghana Vatti</i>	30-60 mg	<i>Dhanyapanchka kwatha</i> ( <i>Dhanyka, Nagarmotha, Shunthi, Bela chhala &amp;</i>	<i>Vishama jvara, Shwasa</i>	Jwraadhikara, 5/953-954

			<i>sunga dhabala</i> )		
22.	<i>Chudamani Rasa-2</i>	250 mg.	<i>Aardraka swarasa &amp; Madhu</i>	<i>Vishama jvara &amp; Bhuta jvara</i>	Jwraadhikara, 5/967-972
23.	<i>Chintamani Rasa- 3</i>	250 mg	<i>Doshanusara</i>	<i>Ashtavidha jvara, Vishama jvara, Dhatugata jvara</i>	Jwraadhikara, 5/989-994
24.	<i>Chintamani Rasa-4</i>	125-250 mg	<i>Doshanusara</i>	<i>Sannipata jvara, visham jvara, Sarva jvara</i>	Jwraadhikara, 5/995-999
25.	<i>Chaturthakari Rasa</i>	125 mg	<i>Takra, Maricha &amp; Ghee</i>	<i>Chaturthika jvara</i>	Jwraadhikara, 5/1002-1005
26.	<i>Jvarakalaketu Rasa</i>	125 mg	<i>Madhu (honey)</i>	<i>Ashta jvara</i>	Jwraadhikara, 5/1014-1015
27.	<i>Shitari Rasa</i>	125 mg	<i>Tambulapatra &amp; Maricha churna</i>	<i>Daha, Shita jvara</i>	Jwraadhikara, 5/1023-1026
28.	<i>Jvrari Rasa</i>	125 mg	<i>Aardraka swarasa &amp; Madhu</i>	<i>Sarvajvarahara</i>	Jwraadhikara, 5/1032-1033
29.	<i>Jvarakunjaraparindra Rasa</i>	250 mg	<i>Tambula Patra</i>	<i>Sarvajvarahara</i>	Jwraadhikara, 5/1052-1058
30.	<i>Vidyavallabha Rasa</i>	125-375 mg	<i>Aardrakaswarasa 7 Madhu</i>	<i>SarvaVishama Jvara</i>	Jwraadhikara, 5/1059-1061
31.	<i>Vishmajvarantaka Lauha-1</i>	500 mg	<i>Chirayata Kwatha</i>	<i>Vishamajvara, Jeernajvara, Plohavidhi.</i>	Jwraadhikara, 5/1125-1128
32.	<i>Mahabhravati</i>	125-250 mg	<i>Doshanusara</i>	<i>Grahni, Atisara, Sutikajvara, Kaphaja roga.</i>	Grahanirogaadhikara, 8/321-333
33.	<i>Shilagandha Vatika</i>	250 mg (2 ratti)	<i>Ghee, Madhu (Honey)&amp; Takra (Buttermilk)</i>	<i>Sarva prakara Arsha</i>	Arshorogaadhikara, 9/250-251
34.	<i>Bhaktvipaka vati</i>	250 mg	<i>Ushnodaka (warm water)</i>	<i>Ajirna, Mandagni, Udara roga</i>	Agnimandyadirogaadhikara, 10/157-160
35.	<i>Bhaktvipaka vati-2</i>	375 mg	<i>Ushnodaka or Doshanusara</i>	<i>Amadosha, Agnimandya, All type of Shoola</i>	Agnimandyadirogaadhikara, 10/163-165
36.	<i>Krimikashthanal Rasa</i>	125 mg	<i>Shital Jala (Cold water)</i>	<i>Kaphaj, Kaphapittaja &amp; Kaphavataja Krimiroga</i>	Krimirogaadhikara, 10/26-28
37.	<i>Krimivinashana Rasa</i>	125 mg	<i>Triphala Kwatha</i>	<i>Vataja, Pittaja, kaphaja &amp; Tridoshaja Krimiroga</i>	Krimirogaadhikara, 10/29-32
38.	<i>Kitari Rasa</i>	125 mg	<i>Mugdparni Swarasa or Kwatha</i>	<i>Krimi roganashnartha</i>	Krimirogaadhikara, 10/36-37
39.	<i>Kanchnabhr Rasa-1</i>	2 Ratti	<i>Madhu-Ghee, Dugdha (Milk) &amp; Rogaanusara</i>	<i>Balya, Vrushya, Bajikara, Kshaya-Kasadi</i>	Rajyakshmaadhikara, 14/137-142
40.	<i>Rajmrigank Rasa</i>	500 mg	<i>Madhu (Honey)</i>	<i>Rajyakshma</i>	Rajyakshmaadhikara, 14/158-161

41.	<i>Brihad Rasendra Gutika</i>	250 mg	<i>Madhu &amp; Aadraaka swarasa</i>	<i>Kasa, Shwasa, Kashya</i>	Kshayarogaadhikara, 14/ 91-97
42.	<i>Lakshmivilasa Rasa</i>	250 mg	<i>Shital Jala (Cool Water)</i>	<i>Kasa, Shwasa &amp; Kshaya</i>	Kshayarogaadhikara, 14/ 130-137
43.	<i>Nityodaya Rasa</i>	250 mg	<i>Pippali churna &amp; Madhu</i>	<i>Kasa, Shwasa, Yakshma &amp; Jeernajvara</i>	Kshayarogaadhikara, 14/ 146-153
44.	<i>Shwasakuthara Rasa-Prathama</i>	125-250 mg	<i>Aardraaka swarasa &amp; Madhu or Ghee &amp; Maricha churna</i>	<i>Kasa, Shwasa &amp; Swarabhanga</i>	Hikka- Shwasarogaadhikara, 16/ 44-45
45.	<i>Shwasakuthara Rasa-Dawitiya</i>	250-500 mg	<i>Tambulapatra swarasa &amp; Aardraaka swarasa</i>	<i>Shwasa, Kasa, Yakshma, Murchchha, Shiroroga</i>	Hikka- Shwasarogaadhikara, 16/ 46-50
46.	<i>Mahodadhi Rasa</i>	375 mg	<i>Makkhana- Mishri (Butter-Sungar Candy)</i>	<i>Trishna roga</i>	Trishanarogaadhikara, 20/ 29
47.	<i>Unmadabhanjni Vatika</i>	250 mg		<i>Chaturthaka jvara, Unmada, Apasmara nashaka (Externally as Anjana)</i>	Unmaadarogaadhikara, 24/ 31-34
48.	<i>Unmadagajakeshari Rasa</i>	125 mg	<i>Ushna Ghee</i>	<i>Unmada, Apasmara, Bhutonmada</i>	Unmaadarogaadhikara, 24/ 35-37
49.	<i>Bhutankusha Rasa</i>	250 mg	<i>Aardrkarasa &amp; Madhu</i>	<i>Unmada &amp; Bhutonmada</i>	Unmaadarogaadhikara, 24/ 46-51
50.	<i>Chaturbhuj Rasa</i>	125 mg	<i>Aardraaka swarasa, &amp; Madhu</i>	<i>Unmada, Apsmara, Kshya, Kampavataadi</i>	Unmaadarogaadhikara, 24/ 52-57
51.	<i>Manohvadhyanjna</i>	For external use	<i>As Anjna with water</i>	<i>Apsmara &amp; Unmada</i>	Apasmararogadhikara, 24/ 52-57
52.	<i>Bhutabhairava Rasa</i>	625 mg	<i>Drink wtith Madhu , then Naramiutra (12 ml), Ghrita (10 gm), Hingu, Trikatu (2 gm), Sauvarchala (2 gm)</i>	<i>Apasmara</i>	Apasmararogadhikara, 24/ 23-25
53.	<i>Vatakulantka Rasa</i>	2 ratti	<i>Madhu &amp; Doshanusara</i>	<i>Apasmara, Murchchha, Vatavyadhi</i>	Apasmararogadhikara, 24/ 26-29
54.	<i>Navagraha Rasa</i>	32 mg-65 mg	<i>Makkhana (Butter)</i>	<i>All type of Vatavikara, Arsha &amp; Bhagandara</i>	Vatavyadhirogadhikara, 26/203-206
55.	<i>Vataraktantaka Rasa</i>	125 mg	<i>Nimbatwaktaptrapushapa churna &amp;</i>	<i>Vatarakta</i>	Vataraktaadhikara, 27/42-46



			<i>Ghrita</i>		
56.	<i>Suta Taila (Vijayabhairava Taila)</i>		<i>Tambulapatra</i>	<b>E.- Vataroga &amp; Kampadi (Massage)</b> <b>I.- Bhakshnartha 2 Drops</b>	Amavatarogaadhikara, 29/203-207
57.	<i>Nageshwara Rasa</i>	250-500 mg	<i>Tambulapatra</i>	<i>Gulma &amp; Pliha</i>	Gulmarogaadhikara, 32/87-89
58.	<i>Mehvajra Rasa</i>	500 mg	<i>Nimbabeeja majja churna, Ghrita, &amp; Tandulodaka</i>	All type of <i>JeernaPrameha &amp; Severe Mutrakrichchha</i>	Prameharogaadhikara, 37/88-91
59.	<i>Meghanada Rasa</i>	375 mg	<i>Madhu</i>	<i>Prameha</i>	Prameharogaadhikara, 37/136-137
60.	<i>Mahavahni Rasa</i>	125 mg	<i>Ushnodaka</i>	All type of <i>Udara roga</i>	Medorogaadhikara, 40/ 77-81
61.	<i>Varishoshana Rasa</i>	250 mg	<i>Triphala, Katuka kwatha, Madhu-Kathagulara swarasa</i>	All type of <i>Udara roga, Sannipataja Jvara, Kushtha, Agnimandya</i>	Medorogaadhikara, 40/ 93-108
62.	<i>Vidyadhara Rasa</i>	375 mg	<i>Madhu &amp; Godugdha</i>	<i>Paliha, Yakrita Roga, Gulm</i>	Plihayakritrogaadhikara, 41/72-73
63.	<i>Plihshardula Rasa</i>	125-250 mg	<i>Pippalichurna &amp; Madhu</i>	<i>Pliha-yakritvikara</i>	Plihayakritrogaadhikara, 41/103-108
64.	<i>Yakritplihari Lauha</i>	375mg	<i>Ushnodaka (warm water)</i>	<i>Yakritaplihavridhi, Udara, Pandu</i>	Plihayakritrogaadhikara, 41/109-114
65.	<i>Lauhamrityunjaya Rasa</i>	250 mg	<i>Sharpunkha kwatha or Roganusara aupana</i>	<i>Pliha, Grahni, Gulma</i>	Plihayakritrogaadhikara, 41/157-161
66.	<i>Haridradi Lepa</i>	-----	----	<i>Medojarbuda, Sharkabuda roga (externally used as required)</i>	Galagand-Gandamala-Apachi-Granthyarbudaadhikara, 44/56
67.	<i>Shlipadagajakeshari Rasa</i>	250 mg	<i>Ushnodaka (Warm water)</i>	<i>Shlipada &amp; Pliharoga</i>	Shlipadarogaadhikara, 45/26-27
68.	<i>Vranarakshasa Taila-1</i>	-----	----	<i>Nadivrana, Dushta vrana, Kushtha (external application)</i>	Vranashothaadhikara, 47/69-71
69.	<i>Vranarakshasa Taila-2</i>	-----	----	<i>Kandu, Pama, Vicharchika, Shweta kushtha, Kushtha, &amp; all type of Vrana (external application)</i>	Vranashothaadhikara, 47/72-76
70.	<i>Narayana Rasa</i>	250 mg	<i>Madhu</i>	<i>Bhagandara, Nadivrana,</i>	Bhagandararogaadhikara,

				<i>Dushtavrana</i>	51/15-18
71.	<i>Paradaidhoopana-1</i>		----	<i>Upadansha vrana</i> (external application)	Upadansharogaadhikara, 52/19-21
72.	<i>Manahshiladi</i>	---	25 ml <i>Sarsapa taila</i> & 25 ml <i>Arka ksheera</i>	external application)	Kushtharogaadhikara, 54/6
73.	<i>Paradadi Lepa</i>	10-20 gm churna	<i>Churna</i> mixed with <i>Kanji</i> or <i>Gomutra</i>	<i>Dardu, Mandalakushtha, Kandu, Vicharchika roga</i> (external application)	Kushtharogaadhikara, 54/35-37
74.	<i>Manikya Rasa</i>	250 mg	<i>Madhu- Ghrita</i> mix with cold water, mix with <i>Shital Dugdha</i> & Goat milk	All type of <i>Kushtha</i>	Kushtharogaadhikara, 54/126-134
75.	<i>Kachchhurakshasa Taila</i>	----	----	<i>Kachchhu, Pama &amp; Kandu</i> (for external application)	Kushtharogaadhikara, 54/261-265
76.	<i>Panchanana Taila</i>	----	---	<i>Shweta kushtha (Bahya Lepana)</i>	Kushtharogaadhikara, 54/266-268
77.	<i>Aragvadhaitaila</i>	-----	---	<i>Shwetakushtha (Abhyangartha)</i>	Kushtharogaadhikara, 54/269
78.	<i>Arka-Manahshila taila</i>	-----	-----	<i>Pama, Kandu etc.</i> (external use only)	Kushtharogaadhikara, 54/271
79.	<i>Adityapaka Taila</i>	-----	-----	<i>Pama</i> (external use only)	Kushtharogaadhikara, 54/272
80.	<i>Kushthakalanala Taila</i>	-----	-----	<i>Vataja kushtha</i> (external use only)	Kushtharogaadhikara, 54/283-284
81.	<i>Kushtharakshasa Taila</i>	---	----	<i>Shwitra, Udumbarakushtha, Bhagandara, Vicharchika, Pama, etc.</i>	Kushtharogaadhikara, 54/285-289
82.	<i>Shadabindu Taila</i>	----	---	<i>Kushtha, Vicharchika etc.</i> (external use only)	Kushtharogaadhikara, 54/290-291
83.	<i>Marichadi Taila-1</i>	----	-----	<i>Kushtha roga, Dardu, Shwitra roga</i> (external use only)	Kushtharogaadhikara, 54/292-293
84.	<i>Marichadi Taila-2</i>	----	----	<i>Abhayanga &amp; Nasya</i> in all type of <i>Kushtha roga</i> (for external use only)	Kushtharogaadhikara, 54/294-301
85.	<i>Somaraji Taila-2</i>			<i>Abhyanga</i> in all type of <i>Kushtha</i>	Kushtharogaadhikara, 54/305-



			----	<i>roga &amp; Charmagata vikara</i>	310
86.	<i>Vicharchikari Taila</i>	----	----	<i>Abhayanga in Vicharchika, Nadivrana, Upadamsha, Bhagandara</i>	Kushtharogaadhikara, 54/315-317
87.	<i>Mahatrinaka Taila</i>	-----	----	<i>Kushtha &amp; all type of twak roga (for external use only)</i>	Kushtharogaadhikara, 54/327-333
88.	<i>Sarvatobhadra Lauha</i>	500 mg- 1 gm	<i>Jala (Water)</i>	<i>Amlapitta, Arsha, Bhagandara, all type of Shoola etc.</i>	Amlapittarogaadhikara, 56/40-50
89.	<i>Sarvatobhadra Rasa</i>	375 mg	<i>Madhu-Ghrita, Chanadana churna etc.</i>	<i>Masurika, Visphota.</i>	Masurikarogaadhikara, 59/56-57
90.	<i>Valmika Chikitsa</i>	-----	-----	Helps to remove <i>Puyadi dravayukta Valmika</i> (Apply 3-4 times in a day externally)	Kshudrarogaadhikara, 60/10-11
91.	<i>Pidaka- Tilakalakahara Lepa</i>	-----	----	<i>Mukha- pidika &amp; Tilakalaka oga</i> (apply 3 times in day for 15 days)	Kshudrarogaadhikara, 60/49
92.	<i>Indralupta Chikitsa</i>		----	<i>Indralupta roga (Siro abhayanga)</i>	Kshudrarogaadhikara, 60/60
93.	<i>Kumkumadi Taila-2 (Mukhakantikara)</i>	-----	----	<i>Mukha saundryavardhaka</i> (external application)	Kshudrarogaadhikara, 60/112-115
94.	<i>Lomapatana Taila</i>	---	----	Useful to remove hair	Kshudrarogaadhikara, 60/174
95.	<i>Pitaka churna</i>	----	<i>Ghrita-Madhu</i>	<i>Kantharoganashaka</i>	Mukharogaadhikara, 61/89-90
96.	<i>Saptamrita Rasa</i>	800 mg-1 gm	<i>Madhu</i>	All type of <i>Mmukharoga</i>	Mukharogaadhikara, 61/119
97.	<i>Chatuemukha Rasa</i>	125 mg	<i>Madhu</i>	<i>Danta roga, Mukha roga, Jivha roga</i>	Mukharogaadhikara, 61/120-121
98.	<i>Dakshandatvagaynjana</i>	----	----	<i>Phulli-arma lekhanaetc.</i> (for external use only)	Netrarogaadhikara, 64/73
99.	<i>Shankhadyanjana</i>	----	----	<i>Avrana &amp; Tiira roga, In Picchita roga mix with Madhu, In Netrarbudha mix with Mastu</i> (apply on eyes)	Netrarogaadhikara, 64/78-79
100.	<i>Strotoanjanadi Varti</i>			All type of <i>Netra roga</i> (for	Netrarogaadhikara,64/124

		----	----	external use only)	
101.	<i>Nadijadi Varti (Gudika)</i>	For external use only (Anjana)	----	<i>Ratryandha &amp; Divyandha roga</i>	Netrarogaadhikara, 64/127
102.	<i>Pushpakasisanjana</i>	-----	----	<i>Arma roga, Kacha, Timira roga, Arjuna roga, Vatirma roga (for external use only)</i>	Netrarogaadhikara, 64/136
103.	<i>Anjananamika Chikitsa</i>	-----	----	<i>Pratisarana with madhu to remove the doshas from eyes</i>	Netrarogaadhikara, 64/ 145
104.	<i>Pillaghna Yoga</i>	----	---	<i>Ashudha rakta mokshna (Anjana)</i>	Netrarogaadhikara, 64/151
105.	<i>Rasanjanadyanjana</i>	----	----	<i>Pkshmeshata, Kleda &amp; Kandu nashaka (Anjana)</i>	Netrarogaadhikara, 64/154-155
106.	<i>Sukhavati Varti</i>	----	<i>Madhu</i>	<i>Timira, Patala roga, kacha roga, arma, Shukra, Netrakandu, Netrakleda, arbuda, Netramala roganashaka (for anjana)</i>	Netrarogaadhikara, 64/182-183
107.	<i>Chandrodaya Varti-1</i>	----	---	<i>Timira, Netrakandu, Netrapatala roga, Netrarbuda, Adhimamsa, Ratondhi (Anjana for external use)</i>	Netrarogaadhikara, 64/184-186
108.	<i>Chandrodaya Varti-2</i>	---	----	<i>Pichchha, Netrakandu, Timira roganashaka (Anjana )</i>	Netrarogaadhikara, 64/187-188
109.	<i>Chandraprabha Varti</i>	----	---	<i>Netrarbuda, Netrapatala roga, Kacha, Timira, Raktarajika, Adhimamsa, arma, Ratondhi, timir janya-andhata nashaka (Anjana)</i>	Netrarogaadhikara, 64/190-192
110.	<i>Tryushanadya Varti</i>	---	----	<i>Netrakleda, Netramala, Netrakandu, Kaphaja netraroga nashaka</i>	Netrarogaadhikara, 64/197
111.	<i>Muktadi Mahanjana</i>	----	---	<i>Sarvanetra roganashaka (Anjana)</i>	Netrarogaadhikara, 64/204-205
112.	<i>Nayanashonanjana</i>	----	---	<i>Timira, Netra-Patala , &amp; Pushpa roga nashaka (Anjan twice a</i>	Netrarogaadhikara, 64/209-210

				day)	
113.	<i>Shiriorogahara Rasa</i>	½ Ratti	<i>Jala</i> (Water)	All type of <i>Siroroga</i>	Shirorogadhikara, 65/65-67
114.	<i>Rasashardula Rasa-2</i>	250 mg	<i>Madhu &amp; Tambulapatra rasa</i>	<i>Garbhini jvara &amp; Vamana</i>	Sutikarogadhikara, 69/82-86
115.	<i>Sutikabharana Rasa</i>	65-125 mg	<i>Madhu &amp; Roganusara</i>	<i>Sutika &amp; Dhanurvata roga</i>	Sutikarogadhikara, 69/93-96
116.	<i>Mahabhra Vati -1</i>	125 mg	<i>Madhu &amp; Tambula rasa</i>	<i>Sutikaroga</i>	Sutikarogadhikara, 69/103107
117.	<i>Mahabhra Vati -2</i>	125 mg	<i>Madhu</i>	<i>Sutikaroga</i>	Sutikarogadhikara, 69/108-110
118.	<i>Bibhitakadi Taila</i>	4-4 Drops	---	<i>Putikarna</i> (for external application)	Balarogadhikara, 71/89
119.	<i>Manahshiladya Varti</i>	----	---	<i>Netra roga (Anjana )</i>	Balarogadhikara, 71/91
120.	<i>Kukunaka-Pothakihara Upaya</i>	----	---	<i>Kukunaka &amp; Pothaki roga (Anjana)</i>	Balarogadhikara, 71/94
121.	<i>Bhootavara Ghrita</i>	3 gm	<i>Chiniyukta sukhoshna Dugdha</i>	<i>Bhoota, Pishacha &amp; Gruhbhadha</i>	Balarogadhikara, 71/146-147
122.	<i>Hingwadi Dravyasiddhasneha Churna-Gutika-Kalkadi Prayoga</i>	----	----	<i>Gruhdisha, Unmada, Apasmara (Abhyanga, Pana Nasya with Ghrita or Taila Udwartana with Kalka &amp; Snana or Parimarjana with Kwatha)</i>	Balarogadhikara, 71/171-176
123.	<i>Godha (Goha) Sharata (Giragita) Visha Chikitsa</i>	----	---	<i>Goha, Giragita Vishanashaka (E)</i>	Visharogadhikara, 72/31
124.	<i>Mahabhrudwishaghna Yoga</i>	----	<i>Jala</i> (Water)	<i>Damsha (E)</i>	Visharogadhikara, 72/45
125.	<i>Bhimarudra Rasa-2</i>	1 Vati	<i>Dugdha</i> (Milk)	<i>Sarpadashta, Achetana, Sangyanasha</i>	Visharogadhikara, 72/56-58
126.	<i>Trailokyachintamani Rasa</i>	125 mg	<i>Roganusara</i>	<i>Rasayana karma</i>	Rasayanadhikara, 73/141-146
127.	<i>Kamagnisandipna Rasa</i>	375 mg	<i>Madhu &amp; Tambulapatra</i>	<i>Ojaskara, Sarirapushtikrita, Balya, Sarvendriya prasadaka, Sarvarogahaa rasayana</i>	Bajikaranadhikara, 74/137-139

## DISCUSSION

Arseneous compounds are claimed for its poisons effects and also causing factors for so many diseases. It is found that instead of being poisonous these arseneous compounds are being used safely as an ingredient in different formulations for the management of the different disease condition. *Manahshila* and *Soamala* are such arsenic containing compounds are taken into consideration for the present study.

Present review of *Bhaisajyaratnavali* reveals that total 127 formulations contain *Manahshila* and *Soamala* as an ingredient. Among these 127 formulations, *Manahshila* is in 119 formulations, *Somala* is in 4 formulations whereas *Somala and Manahshila* is in 4 formulations.

**Table 2: Number of formulation used in different diseases.**

Sr.No.	Disease (Rogadhikara in book)	No. of Formulation	Sl.No.	Disease (Rogadhikara in book)	No. of Formulation
1)	<i>Shiro roga</i>	1	18)	<i>Apasmara roga</i>	3
2)	<i>Jvara</i>	31	19)	<i>Mukha roga</i>	3
3)	<i>Kushtha roga</i>	16	20)	<i>Hikka roga</i>	2
4)	<i>Netra roga</i>	15	21)	<i>Prameha roga</i>	2
5)	<i>Kshudra roga</i>	5	22)	<i>Shlipada roga</i>	1
6)	<i>Vatavyadhi roga</i>	2	23)	<i>Vranasotha roga</i>	2
7)	<i>Sutika roga</i>	4	24)	<i>Bhagandara roga</i>	1
8)	<i>Pliha roga</i>	4	25)	<i>Upadamsa roga</i>	1
9)	<i>Bala roga</i>	5	26)	<i>Rasayana</i>	1
10)	<i>Rajyakshma</i>	2	27)	<i>Vajikarana</i>	1
11)	<i>Kshyaroga</i>	3	28)	<i>Grahni roga</i>	1
12)	<i>Unmada roga</i>	4	29)	<i>Arshroga</i>	1
13)	<i>Gulma roga</i>	1	30)	<i>Trishna roga</i>	1
14)	<i>Medo roga</i>	2	31)	<i>Amavata roga</i>	1
15)	<i>Visha roga</i>	3	32)	<i>Gandamala</i>	1
16)	<i>Agnimandya</i>	2	33)	<i>Amlapitta roga</i>	1
17)	<i>Krimi roga</i>	3	34)	<i>Masurika roga</i>	1

## CONCLUSION

*Manashila* and *Somala* containing formulations are used in many diseases externally and internally. Review highlights that there are total 127 numbers of formulations in *Bhaisajyaratnavali* which contains these two compounds and used in 34 disease conditions. The present review will provide the single hand information regarding, *Manashila* and *Somala* containing formulations along with their dose, indications, anupana.

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