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## A Comparison Of Asava & Arishta By Literary As Well As Pharmasutical Aspect

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### Introduction

Asava & Arishta kalpana were originated from five basic kalpana swarasa and kwatha respectively. Though fermentation is the common process in them two nomenclature were denoted separately for these two by ancient acharya, this fact emphasize that these are not one and same. We can't have clear difference in these two kalpana what exactly acharya expected as these two are intermingled terms. In this study literary as well as experimental difference between Asava & Arishta was studied.

### Aim: -

- 1) -: Literary survey for the different aspect of asava & arishta
- 2) -: To prepare vasakasav & vasarista by swarasa & kwath respectively.
- 3) -: To study differential properties of these two analytically.

### Materials:

samples of vasakasav & vasarista

### Methods-

- 1) Literary survey
- 2) Analytical study of vasakasav & vasarista

### LITERARY SEARCH-

The shades of discrimination of Asava & Arishta were firstly specified by Sharangadhar, though Chakrpani had tried to differentiate it prior. Main idea of differentiation of Asava & Arishta was based upon the difference in the adopting preparative method, which may alter Pharmaceutical properties, potency etc. which compels one to think The fact of distinguishing point between both of them. Chakrpani & Sharangadhar had stated the difference on basis of agni sanskar, but they themselves have not followed this as many such superimposition can be sighted by Various examples (Table 1&2)

Sr. no.	Prepared by kwath	Ref.	Rogadhikar	Sr.no.	Prepareby swarasa	Ref.	Rogadhikar
1	Duralabhasav	Ca. sa.	Grahani	1	Madhvasav	Ca.sa.	Jwara
2	Madhvasav	Ca. sa.	Kusta	2	Lohasav	Sha. Sa.	Jwara
3	1. duralabhasav		Arsha	3	Pippalyasav	Sha.sa.	Grahani
4	Vasakasav	a.sa.	Shoth	4	Patrangasav	Bh.r.	Stree roga
5	Punarnavasav	Ga. Ni.	Shoth	5	Punarnavasav	Bh.r.	Shoth
6	Varunasav	Ga. Ni.	Vidradhi	6	Ushirasav	Bh.r.	Raktapitta
7	Haritkyasav	Ga. Ni.	Rajyakshma	7	Sarivadyasav	Bh.r.	Prameha
8	Lavangasav	Ga. Ni.	Agnimandya	8	Chandanasav	Bh.r.	Prameha
9	Yograjasav	Ga. Ni.	Rajyakshma	9	Shrikhandasav	Bh.r.	Panatyaya
10	Machikasav	Ga. Ni.	Rajyakshma	10	Mrigmadasav	Bh.r.	Jwara
11	Brihanmulasav	Ga. Ni.	Rajyakshma	11	Kankasav	Bh.r.	Shwasa
12	Pushkarmulasav	Ga. Ni.	Rajyakshma	12	Panchmutrasav	ga.ni.	Vatavyadhi
13	Gandirasav	Ga. Ni.	Rajyakshma	13	Bhringarajasav	ga.ni.	Rajayakshma
14	Guggulasav	Ga. Ni.	Bhagandrara	14	Narikelasav	ga.ni.	Rajayakshma
15	Madhvasav	Ga. Ni.	Prameha	15	Kharjurasav	ga.ni.	Rajayakshma
16	Devadarvyasav	Ga. Ni.	Prameha	16	Lohasav	ga.ni.	Pandu
17	Kubjakasav	Ga. Ni.	Jwara	17	Avartakadyasav	ga.ni.	Dadru
18	Mulasav	Ga. Ni.	Grahani	18	Mustavasav	ga.ni.	Grahani
19	Khdirasav	Ga. Ni.	Kushta	19	Mahadrakshasaav	Yo.chi.	Vajikarana
20	Traymanasav	Ga. Ni.		20	Chavikasav	Yo.chi	Gulma
21	Rohitkasav	Ga. Ni.	Pleharoga	21	Pilwasav	Yo.chi	Arsha
22	Rohitakasav	Ga. Ni.	Udararoga	22	Tambulasav	Yo.chi	arsha
23	Drakshasav	Ga. Ni.	Arsha	23	Kumariasav	Yo.chi	
24	Drakshasav	Ya.r.	Rajyakshma	24	Chitchandirasav	Si bh. Ma.	
25	Kharjurasav	Ya.r.	Rajyakshma	25	Pindasav	Ca.sa.	
26	Kushmandasav	Ya ch.	Kasa shwasa	26	Arvindasav	Bh.r.	
27	Tryamanasav	Ga.ni.	Kasa shwasa	27			
28	Chavikasav	Ga.ni.	Gulma	28			

Table -2(Arishta)

SR NO.	Name(prepared by kwath)	ref	Rogadhikar	Sr. no.	Name(prepared by swarasa)	ref	Rogadhikar
1	Triphaladyarishta	Ca.sa.		1	Takrarishta	Ca.sa.	
2	Gandiradyrishta	Ca.sa.		2	Astashatarishta	Ca.sa	
3	Beejakerishta	Ca.sa.	Pandu	3	Dhatryrishta	Ca.sa	
4	Gudarishhta	Ca.sa.	Pandu	4	Madhwarishta	Ca.sa	
5	Kanakbidwarishta	Ca.sa.	Kushta	5	Putikarishta	Su.sa.	Mahakushta
6	Aragwadhrishta	Ca.sa.	Virechana	6	Mandurarishhta	Ga.ni.	pandu
7	Phalarishta	Ca.sa.	Arsha	7	vasarishta	Bh. R.	
8	Duralabharishta	Ca.sa.	Arsha	8			

9	<i>Vrishiradyarishta</i>	<i>Su. Sa.</i>	<i>Gulma</i>	9			
10	<i>Kutajarishta</i>	<i>Sha. Sa.</i>	<i>Atisara</i>	10			
11	<i>Rohitakadyarishta</i>	<i>Sha. Sa.</i>	<i>Udara</i>	11			
12	<i>Abhayarishta</i>	<i>Bh. R.</i>	<i>Arsha</i>	12			
13	<i>Babbularishta</i>	<i>Bh. R.</i>	<i>Atisara</i>	13			
14	<i>Jirakadyrishta</i>	<i>Bh. R.</i>	<i>Streeroga</i>	14			
15	<i>Saraswatarishta</i>	<i>Bh. R.</i>	<i>Vajikarana</i>	15			
16	<i>Dashmularishta</i>	<i>Bh. R.</i>	<i>Vajikarana</i>	16			
17	<i>Khadirarishta</i>	<i>Ga. Ni.</i>	<i>Kushta</i>	17			
18	<i>Rasayanarishta</i>	<i>Ga. Ni.</i>	<i>Yakshma</i>	18			
19	<i>Dhanyakarishtha</i>	<i>Ga. Ni.</i>	<i>jwara</i>	19			

As swarasa & kwath are two different basic formulation & possessing distinguish status in bhaishaijya kalpana, so the kalpana developed from them asava, arishta respectively

Should possess different quality. So one can say that though asava & arista are travelling on same pathway of sandhan. They are having different destination. In nutshell it can be explain as

<i>According to preparation</i>	<i>NA Asava karanam shrutyate/</i>	<i>Aushdhi kwath madhwado ...arishta/</i>
<i>According to concentration</i>	<i>Drava pradhan asava/</i>	<i>Dravya pradhan arishta/</i>
<i>According to properties</i>	<i>Gunavan+</i>	<i>Gunavan++</i>
<i>According to definition</i>	<i>Yd apakwa aushadh ambubhyam siddham madyam sa asava/</i>	<i>Arishtah kwath siddha syat/</i>

## Pharmaceutical aspect

### PREPARATION OF VASAKASAV & VASARISHTA

VASAKASVA		VASARSHTA	
SWARAS	2800ML	KWATH	4000ML
GUDA	980GM	GUDA	1400GM
DHATAKI PUSHPA	172.48GM	DHATAKI PUSHPA	646.4GM
TWAK	21.50GM	TWAK	30.8GM
ELA	21.50GM	TWAK	30.8GM
TRKATU	43GM	TRKATU	106GM
KANKOLA	21.50GM	KANKOLA	30.8GM

*Asava & arishta were prepared with all above ingredient, the difference between these two was noted by*

Analytical value.Observation-:

	VASAKASAV	VASARISHTA
PH	3.88	4.0
SP GRAVITY	1.0688	1.0412
RESIDUE ON EVAPORATION %W/GM	8.296	12.112
SOLUBLE EXTRACTIVE%W/V	3.517	5.875
METHANOL SOLUBLE EXTRACTIVE%W/V	3.45	5.075
ALCOHOL CONTENT	8.4	11.2
SUGAR CONTENT		
TOTAL	12.20%	6.87%
REDUCING	11.30%	6.46%
NON REDUCING	0.70%	0.41%

TOTAL ALKOLOID CONTENT

VASASWARASA	0.0063
VASAKASAV	0.0265
VASAKWATH	0.0067
VASARISHTA	0.270

(There is no much difference in total alkaloid content)

HPTLC SHOWS

% OF VASICINE 1)- VASAKASAV .....0.715g/500ml

2)-vasarishta.....0.439g/500ml

Vasicine has extra absorption peak at 313nm in vasakasav.

DISCUSSION & CONCLUSION –

Chakrapani & Sharangdhara define separately Asava & Arishta, beside using two separate term what is reason behind the superimposing of two? If one think that for dried drug acharya have adopted kwath still what is reason behind kwath process for lavangasava like volatile Content? Probable aim may complete extraction of active ingredient. Vasa, which is popular ingredient of Ayurvedic cough syrups, in an Attempt to identify its active principle, various solvent extracts were Prepared by cold percolation method which is considered to be the best. These extracts were tested for bronchodilator activities in suitable animal Models to the surprise of investigators, these extracts showed Broncho constrictor effect. Scientists could not at that time understand how potential bronchoconstrictor botanical could become part of a cough syrup. Ayurvedic literature threw light on this mystery. As per Ayurveda, Vasa Syrup or decoction can only be used for treatment of cough while the fresh juice can be used to stop bleeding by applying it on open wound. There are many such examples to show that Ayurvedic medicines have a Systemic and scientific approach of processing botanical materials. (Ref:-Indian Drugs - Bhushan Patwardhan, May 2000). This may be the reason for Vasakasava preparation, why the acarya advised to prepare it with Vasa Kwath. Variations were clearly seen analytically. As HPTLC result clearly shows the %Of vasicine is more in vasakasav than

*vasarishtha which differs their properties as alkaloid vasicine is having smooth muscle contraction properties.allthis observation clearly suggest that properties of formulation changes with methd of preparation.*

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