

Rule Change Proposal No. 3

PURPOSE: Addition of minimum working weights for purity analysis, noxious weed seed and bulk examinations, and seed counts to Table 1 (Weights for Working Samples) for rosemary and anise.

PRESENT RULE: New rule.

PURPOSED NEW RULE

Table 1. Weights for working samples

Kind of seed	Minimum weight for purity analysis ^a	Minimum weight for noxious-weed seed or bulk examination	Approximate number of seeds per gram ^b	Approximate number of seeds per ounce ^c
<i>Pimpinella anisum</i> L. anise	7	70	361	10,227
<i>Rosmarinus officinalis</i> L. rosemary	3	30	802	22,735

SUPPORTING EVIDENCE

Anise is a member of the Apiaceae and as such the seed units are described under Sec. 2.6.e. Rosemary is a member of the Lamiaceae and as such the seed units are described under Sec. 2.6.f. Seed counts were conducted by the Purity Subcommittee following the procedure outlined in Appendix 4 of the AOSA Rules. Please refer to the data below. The mean purity weight for anise was 6.9 grams and for rosemary the mean was 3.1 grams. These weights were rounded to the nearest whole number, 7 grams for anise and 3 grams for rosemary. The noxious weed seed or bulk exam minimum weights were calculated at ten times these values. By comparison the purity working weights in the ISTA Rules for anise and rosemary are 7 grams and 3 grams, respectively.

Rosemary

Lot No.	Mean Wt. (gm) Per 100 Seed	Mean No. Seed/gm	Mean No. Seed/oz	Minimum Purity Working Wt. (gm)	Minimum Noxious Working Wt. (gm)
1**	0.1191	840	23804	3	30
2*	0.1451	689	19538	3.6	36
3**	0.1242	805	22826	3.1	31
4**	0.1169	855	24251	2.9	29
5**	0.127	787	22323	3.2	32
6*	0.1226	816	23124	3.1	31
7**	0.1275	784	22235	3.2	32
8**	0.101	990	28069	2.5	25
9**	0.127	787	22323	3.2	32
10**	0.137	730	20693	3.4	34
Mean	0.1247	802	22735	3.1	31

* based on 8 replicates of 100 seeds

** based on 16 replicates of 100 seeds

Anise

Lot No.	Mean Wt. (gm) Per 100 Seed	Mean No. Seed/gm	Mean No. Seed/oz	Minimum Purity Working Wt. (gm)	Minimum Noxious Working Wt. (gm)
1**	0.2723	367	10411	6.8	68
2**	0.2732	366	10377	6.8	68
3**	0.2324	430	12199	5.8	58
4**	0.3727	268	7607	9.3	93
5**	0.3074	325	9223	7.7	77
6**	0.191	524	14843	4.8	48
7**	0.2434	411	11647	6.1	61
8**	0.2686	372	10555	6.7	67
9**	0.3336	300	8498	8.3	83
Mean	0.2772	361	10227	6.9	69

* based on 8 replicates of 100 seeds

** based on 16 replicates of 100 seeds

SUBMITTED BY

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