

# **P** Lupinus albus

## Common Name(s)

White Lupine

## How Used

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Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference	Citation
4	(-)-SPARTEINE	Seed	--	--		
0	13-HYDROXYMULTIFLORONE	Seed	--	--		
0	13-OXYMULTIFLORINE	Seed	--	--		
3	2'-HYDROXYGENISTEIN	Leaf	--	--		
0	22,23-DIHYDROSTIGMASTEROL	Seed	--	--		
0	5-DEHYDRO-13-HYDROXYMULTIFLORONE	Seed	--	--		
0	5-DEHYDRO-13-OXYMULTIFLORINE	Seed	--	--		
0	ACYCLOXYLUPANINE	Seed	--	--		
3	ALANINE	Seed	12960	14470	0.9170226228696556	
0	ALBINE	Plant	--	--		
0	ALKALOIDS	Seed	10000	27400	0.6049563794841558	

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference	Citation
0	ALLANTOIC-ACID	Sprout Seedling	--	--		
12	ALLANTOIN	Sprout Seedling	--	--		
0	ANGUSTIFOLINE	Seed	5	30		
14	ARGININE	Seed	38770	44400	0.836694	3841656878
0	ASH	Seed	32800	36580	-0.339880	6365087161
2	ASPARAGINE	Seed	116340	116340	1	
3	ASPARTIC-ACID	Seed	38770	43290	1.837744	307856741
28	CALCIUM	Seed	1760	1965	-0.400634	86459844927
0	CARBOHYDRATES	Seed	367000	450370	-0.290245	062198914
1	CEPHALIN	Seed	--	--		
23	CITRIC-ACID	Seed	--	--		
12	COPPER	Seed	10	12	-0.255286	4959153795
2	CYSTINE	Seed	4460	4980	1.273125	9245727116
0	DEHYDROALBINE	Plant	--	--		
2	ERUCIC-ACID	Seed	930	1040	-0.804369	8886448047
0	FAT	Seed	97400	108630	-0.825698	3051293483
15	FIBER	Seed	137700	153600	0.148615	2305024654
0	GADOLEIC-ACID	Seed	2550	2850	-0.304085	89128240854

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference Citation
81	GENISTEIN	Hypocotyl	--	--	
8	GLUTAMIC-ACID	Seed	21650	96985	2.3319656034068434
12	GLYCINE	Seed	15390	17185	0.9011559745223087
4	GLYCOLIC-ACID	Seed	--	--	
7	HISTIDINE	Seed	10300	11500	1.4291755119543776
0	HOMOGENISINIC-ACID	Sprout Seedling	--	--	
0	HYDROXYLUPANINE	Seed	19	290	
6	IRON	Seed	43	49	-0.47296194458454466
3	ISOLEUCINE	Seed	16150	18030	0.9619171054456013
0	KILOCALORIES	Seed	3710	4140	-0.5625500601126422
7	LAURIC-ACID	Seed	80	90	-0.5115240190533513
20	LECITHIN	Seed	--	--	
2	LEUCINE	Seed	19000	30625	1.2963725792058691
27	LINOLEIC-ACID	Seed	19950	22275	-0.726979204211212
0	LINOLENIC-ACID	Seed	4460	4980	-0.492923694424475
3	LUPANINE	Seed	40	140	
21	LUPEOL	Seed	--	--	
4	LYSINE	Seed	19330	21585	1.2849819611491902
65	MAGNESIUM	Seed	1980	2200	-0.2947807573698167

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference Citation
15	MALIC-ACID	Seed	--	--	
15	METHIONINE	Seed	2550	2850	-0.3782387935104158
0	METHYL-ALBINE	Seed	--	--	
13	MUFA	Seed	39400	43990	-0.473371922127144
0	MULTIFLORINE	Seed	--	--	
6	MYRISTIC-ACID	Seed	130	145	-0.2941050421963658
39	NIACIN	Seed	22	24	-0.5653371145111872
18	OLEIC-ACID	Seed	35580	39725	-0.6525373870116628
9	OXALIC-ACID	Seed	--	--	
13	PALMITIC-ACID	Seed	7420	8275	-0.5288609495059398
2	PALMITOLEIC-ACID	Seed	340	380	-0.28934587512665705
7	PHENYLALANINE	Seed	14350	16025	0.5355372674604459
4	PHOSPHORUS	Seed	4400	4900	-0.11980273674659814
2	PIPECOLIC-ACID	Stem	--	--	
14	POTASSIUM	Seed	10130	11300	-0.11169307962545023
0	PROLINE	Seed	14760	16480	1.0106136704880937
0	PROTEIN	Seed	361700	403400	1.508714813525159
4	PUFA	Seed	24390	27235	-0.5985454209700596
15	RIBOFLAVIN	Seed	2	3	-0.20090831129253928

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1	SERINE	Seed	18690	20870	1.9731747072660002
0	SFA	Seed	11560	12895	-0.4517353384093307
1	SODIUM	Seed	150	165	-0.4537924180538136
21	SPARTEINE	Seed	--	--	
8	STEARIC-ACID	Seed	3160	3525	-0.4889095101170368
7	SUCCINIC-ACID	Seed	--	--	
31	THIAMIN	Seed	6	7	0.09921569102976133
4	THREONINE	Seed	13310	14860	1.503797204218498
15	TRIGONELLINE	Sprout Seedling	--	--	
29	TRYPTOPHAN	Seed	2890	3225	-0.03413492710997161
8	TYROSINE	Seed	13600	15185	1.7243762054005387
3	VALINE	Seed	15100	16860	0.5971360116437736
28	VANILLIN	Seed	--	--	
0	VERNINE	Seed	--	--	
0	WATER	Seed	104400	104400	-0.47279703347641056
77	ZINC	Seed	47	53	0.22337262467547583