

Supplemental Table 1: Analytical results of 33 TB samples from 20 suppliers

supplier	product	lot	expiry date	date of analysis	TB Peak Purity [Area-%]	Mono-Azo-Dye content [%]	Assay [%]	TB concentration [%] (declared on packaging)	TB concentration found [%] (HPLC)	pH-value	Osmolality [mOsm/kg]
AJL Ophthalmic	AJL Blue, 1ml, S	00Z01213	Sep 19	Feb 17	91	5.2	88	0.06	0.05	-	-
Alchimia	RS-Blue, 0.7ml, S	P16090007	Sep 19	Apr 17	93	3.0	61	0.05	0.03	-	-
Alchimia	RS-Blue, 1.5ml, V	P19110023	Nov 22	Mar 20	90	4.0	53	0.05	0.03	7.2	284
Alchimia	RS-Blue, 0.7ml, S	P19070007	Jul 22	Mar 20	90	4.0	52	0.05	0.03	7.2	291
Alfa Intes	Oftalblu, 1ml, V	26D	Dec 19	Dec 18	92	3.1	66	0.1	0.07	7.1	259
Arcad	Monoblue SafR, 0.75ml, S	9436067	Sep 17	Apr 17	90	2.8	54	0.055	0.03	-	-
Arcad	Monoblue SafR, 0.75ml, S	9440332	Jun 19	Mar 18	94	2.8	65	0.055	0.04	7.2	323
Aurolab	Auroblue, 1ml, V	9E324	Apr 21	Mar 20	89	4.0	68	0.06	0.04	8.1	299
Biotech	Bio-Blue , 1ml, V	1806213	May 21	Nov 18	90	4.1	68	0.06	0.04	7.2	289
Biotech	Bio-Blue, 1ml, V	1810301	Sep 21	Apr 19	90	4.0	71	0.06	0.04	7.6	289
Biotech	Bio-Blue, 1ml, V	1901008	Dec 21	Jul 19	89	4.1	58	0.06	0.03	7.6	247
Biotech	Bio-Blue PFS, 1ml, S	1911262	Oct 22	Sep 20	90	4.0	63	0.06	0.04	7.2	273
Biotech	Bio-Blue PFS, 1ml, S	1404060	Mar 17	Feb 17	93	3.1	83	0.06	0.05	-	-
Biotech	Bio-Blue PFS, 1ml, S	1702045	Jan 20	Dec 17	87	1.7	52	0.06	0.03	6.8	293
Contacare	Blue Rhexis, 1ml, S	15E80	Apr 18	Apr 17	86	1.8	46	0.06	0.03	-	-
Contacare	Blue Rhexis, 1ml, S	19F82	May 22	Jul 20	89	4.1	65	0.06	0.04	7.4	302
DORC	Vision Blue, 0.5ml, S	24016	Sep 18	Apr 17	97	0.3	97	0.06	0.06	Spec: 7.3-7.6	Spec: 257-314
Fluoron	Vioron, 0.5ml, S	V 0,5S 091115	Nov 18	Apr 17	87	1.9	42	0.06	0.02	-	-
Implantec	Tea Vision Azul Tripan, 2ml, S	P02G	Sep 19	Jun 19	89	3.3	85 or 56	0.06 or 0.09	0.05	7.3	1043
Kronen Apotheke	Mono-Blue-Rezeptur, 0.5ml, S	R17BLUE0210	Jun 18	Jan 18	92	3.4	60	0.1	0.06	9.1	292
Meran	Capsule Dye, 1ml, S	CD1S/010617	Jun 20	Dec 17	93	3.2	187	0.06	0.11	6.8	266
Meran	Capsule Dye, 1ml, S	CD1S/010618	Jun 21	Sep 18	90	4.1	67	0.06	0.04	-	-
Meran	Capsule Dye, 1ml, S	CD1S/011017	Oct 20	Apr 18	91	3.6	30	0.06	0.02	6.9	263
Miray Medikal	Ocublu-Try, 1ml, S	210220198	Feb 22	Mar 20	88	4.4	185	0.06	0.11	7.3	175
Moss Vision Inc.	Optiblue, 1ml, V	1802047	Jan 21	May 18	88	1.9	46	0.06	0.03	7.1	277
RXQ Compounding	Trypan Blue, 1 ml, V	03082018.82	Feb 19	Dec 18	91	4.2	81	0.06	0.05	7.5	310
RXQ Compounding	Trypan Blue, 1 ml, V	08152018.53	Feb 19	Dec 18	92	4.0	68	0.06	0.04	7.4	302
Sidapharm	Sida-Blue, 1ml, S	19A64	Dec 21	Jul 19	89	4.1	64	0.06	0.04	7.3	309
Teknomek	Tekno Capsule Blue, 1ml V	DTB106V2064	May 22	Sep 20	90	4.0	57	0.06	0.03	6.5	295
Unimed Pharma	Contrast Blue, 0.5ml, V	081215	Dez 17	Feb 17	91	2.9	72	0.1	0.07	-	-
Vitreq	TreQ-Blue, 0.5ml, S	2773	Jul 20	Dec 17	93	0.4	65	0.06	0.04	7.4	290
Vitreq	TreQ-Blue, 0.5ml, S	3671	Sep 20	Apr 20	92	0.2	57	0.06	0.03	7.4	294
Wefis	Wefi.Blue, 1ml, S	4741	Nov 17	Apr 17	93	3.1	31	0.06	0.02	-	-
mean					90.6	3.2	69.4			7.3	315.9
min					86	0.2	30			6.5	175
max					97	5.2	187			9.1	1043