

CERTIFICATE OF COMPLIANCE (CoC)
CERTIFICATE OF ANALYSIS (CoA)
Cannabis Flowers

07. October 2021
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Product: Spectrum Blue 8/7	Tweed/Experchem Canada ¹⁾	No. of analysis / date:	AAO96600/ 10. June 2021
Batch-No.: S87B1004CA-2AR1-6	Dr. Liebich, Germany ²⁾	No. of analysis / date:	21216/05.Aug.2021 ^{a)} 21266/14.Sep 2021 ^{b)}
Batch Size: 20,7 kg	L+S, Germany ³⁾	No. of analysis / date:	210729-0072-001 06. Aug. 2021
	Eurofins Dr.Specht Intl. ⁴⁾ Germany	No. of analysis / date:	AR-21-HR-054466-01 23. July 2021
Manufacturing date: 29. Sept. 2021		Delivery country: Czech Republic ***	

CERTIFICATE OF ANALYSIS (CoA):

ID: COCCZ2021009 ***

Kontakt / Contact: Parameters (References)		<i>Dr. Henning Kühl</i> [mailto: henning.kuehl@canopygrowth.com]	
		Specifications	Result
			Evaluation
Identity (DAB Monograph) / HPLC fingerprint Chromatography / (Ph. Eur. + Ph. Cz. 2.2.27)	Compliant with Chromatograms THC violet zone at the bottom CBD violet zone on top CBDA violet zone in between	passed	passed ^{2b)}
Assay (Ph. Eur. + Ph. Cz 2.2.29)	HPLC Total THC Label result HPLC Total CBD Label result HPLC CBN < 1 % w/w	7,8 % w/w 7,5 % w/w < 1 % w/w	passed ^{2a)}
Expiry date (stability tests) Microbiological Purity (Ph. Eur. 2.6.12, 2.6.13, 2.6.31, 5.1.4 Inhala, 5.1.8 Table B), Ph. Cz. 2.6.12, 2.6.13)	Label result TAMC: < 10 ² CFU/g TYMC: < 10 ¹ CFU/g Bile Tolerant Gram ⁺ : ≤ 10 ² CFU/g Pseudom. aeruginosa: absent/g Staph. aureus: absent/g Salmonella: absent/25g E. coli: absent/g	01/2022 < 10 CFU/g < 10 CFU/g absent absent absent absent absent	passed ¹⁾ passed ³⁾
Foreign Matter (Ph. Eur. 2.8.2, Ph. Cz. 2.8.2 01/22012 herbal drugs)	EU: <2 %	< 0,01 %	passed ¹⁾
Pesticide Residues* (Ph. Eur. + Ph. Cz. 2.8.13)****	Absent (<0,1ppm)	complies	passed ⁴⁾
Gamma-Irradiation** (Irradiation source Cobalt 60)	≤ 10 kGy	8.6 kGy	passed ¹⁾
Heavy Metals (Ph. Eur. + Ph. Cz. 2.4.27, Ph. Eur. Herbal Drugs 01/1012: 1433)	Cd: < 1.0 ppm Hg: < 0.1 ppm Pb: < 5.0 ppm As: < 1.0 ppm	<0,1004 ppm <0.0500 ppm <0,0998 ppm <0,1004 ppm	passed ¹⁾
Loss on Drying (Ph. Eur. + Ph. Cz. 2.2.32)	< 10 % w/w	8,6 %	passed ^{2a)}
Aflatoxins (Ph. Eur. + Ph. Cz. 2.8.18)	Total B1+B2+G1+G2 < 4 ppb B1 < 2 ppb	<4 ppb <2 ppb	passed ¹⁾

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Kontakt / Contact: *Dr. Henning Kühl [mailto:henning.kuehl@canopygrowth.com]*

Parameters (References)	Specifications	Result	Evaluation
Appearance, optic test (DAB-Monograph)	Brown green plant material, fragments of peduncles, bracts and panicle sections as well as individual flowers and flower organs with whitish ovary, that may contain a small brown ovule, and a brown pistil. Bracts and all flower organs are more or less densely covered with excreted resin-adhesive glandular hairs.	passed ^{2b)}	passed ^{2b)}
Smell	Earthy, Wood, Citrus	passed ^{2b)}	passed ^{2b)}

I hereby certify that the above information is authentic and accurate. This batch of product has been manufactured, under GACP, packaging and quality control in full compliance with GMP requirements and with the specifications as stated in this document. The batch records were reviewed and found to be in compliance with GMP.

Date, signature
 Dr. Henning Kühl *07/10/2021* *H. Kühl*
 Qualified Person §15 AMG (German Law on Drugs)

Name and address of importer in EU and manufacturer:
 (for manufacturers outside the EU) **Canopy Growth Germany GmbH**
 Lanzstrasse 20
 D-68789 St. Leon-Rot, Germany

Name and address of manufacturers under EU-GMP and GACP **Tweed Inc.**
 1 Hershey Drive
 Smiths Falls, On, Canada
 K7A 0A8

*Testing is not required when the batch is produced in a controlled GMP environment without pesticides.
 **If Gamma Irradiation is used the maximum dose is 10kGy (total overall average dose). N/A = Not gamma irradiated

FORM-DE-QA-013-04	Referenz zu SOP: SOP-DE-QA-013	
Erstellt: <i>18.02.2021</i> <i>Alevtina Kaa</i>	Geprüft: <i>18.02.2021</i> Lukas Leist	Freigegeben: <i>18/02/2021</i> Dr. Henning Kühl