POSH STAR LAB

THE REFERENCE COLLECTION / 01

The Master Crafter’s Handbook

Solventless Science, Genetic Identity and Documentary Quality

INPUT CLEAN = OUTPUT CLEAN

Brand founder and craft voice: Mr. Star

English reference edition / 4 November 2026

A reference built around the brand history and records of Posh Rosin Craft, Posh Rosin and POSH STAR LAB.

Scope: botanical science, terminology, analytical literacy, provenance, quality records and evidence-based communication. This is not an extraction, cultivation or yield-optimization manual, a medical guide, or a certification of regulatory compliance.

Prepared from accessible historical records and selected primary research. Original COAs and certificates were not recovered in this review. Scientific findings, internal records and founder-reported claims are identified separately.

00 / REFERENCE EDITION

How to use this handbook

This edition is a complete reference manuscript within the scope stated on the cover. Its purpose is to preserve the POSH STAR story while making every technical statement traceable. A strong documentary record keeps the original observation, the interpretation and the public claim visibly connected.

Chapter	Subject
01	Brand identity and the documentary standard
02	From biomass to product: terms and traceability
03	Trichomes and resin biology
04	Genetic collection: records 01-12
05	Genetic collection: records 13-23 and breeding claims
06	Terpenes and monoterpene chemistry
07	Terpene profiles and analytical limitations
08	Sleep, alertness and inflammation: evidence
09	Reading a certificate of analysis
10	Clean input and quality evidence
11	Historical record interpretation
12	Documentary photography and media
13	Quality records and exception handling
14	Publication and domain migration specification
15	Reusable editorial and quality forms
16	Glossary and source register

Evidence labels

Research = a cited scientific publication. Internal record = a named POSH STAR document, without independent verification. Founder report = information supplied by the founder. Editorial recommendation = a proposed documentation practice, not an existing company certification.

01 / REFERENCE EDITION

The POSH STAR standard

The available brand history moves through Posh Rosin Craft and Posh Rosin to POSH STAR LAB. PSL Documentary provides a related visual and educational identity. Exact founding dates and legal milestones are not reconstructed from memory. The company name used in the historical business material is The Posh The Star Co., Ltd., Thailand. These are founder-supplied identity statements, not a fresh company-registry verification.

Craft as an accountable practice

POSH STAR presents craft as the combination of material identity, skilled observation and documented quality. The phrase "Input Clean = Output Clean" expresses a quality philosophy. It is not a mathematical guarantee: clean incoming material can still be compromised later, and an attractive finished material can still fail analytical testing.

What single source should mean

A defensible single-source claim links the plant material, facility history and finished lot. It should identify who grew the material and who performed each subsequent activity. Ownership of a brand, a cultivar name or a laboratory does not itself establish uninterrupted custody. Where another facility handles a lot, that participation belongs in the record.

Three separate kinds of originality

Original breeding concerns the creation and documentation of a new genetic cross or line. Selection concerns identifying and maintaining a plant from existing genetics. Process know-how concerns an internally developed way of working. One does not automatically establish the others. Crediting an upstream breeder strengthens the record and can coexist with POSH STAR ownership of a specific selection or a separately documented new cross.

Publication-ready brand description

POSH STAR LAB documents solventless craft through botanical identity, scientific literacy and batch-linked quality records. The collection brings together named genetics, founder-led observations and a growing archive of analytical and visual evidence. Each release should be described by what its own records establish.

Claims requiring supporting records

World first, cleanest in the world, highest purity, exclusive technology and medical grade are not treated as verified facts in this edition. GACP and GMP references need the actual certificate, its scope, site, issuing body and validity period. A proposed manufacturing partnership is not evidence that every product is already GMP manufactured.

02 / REFERENCE EDITION

From biomass to product

A documentary handbook can describe material categories without prescribing how to produce a concentrate. The essential distinction is between what the material is, what happened to it and what evidence exists for its identity and quality.

Term	Meaning and limitation
Biomass	Plant material identified by lot and composition. The word alone does not specify flowers, leaves, stems or their proportions.
WPFF	Whole plant fresh frozen, as used in the brand history. State the actual included plant parts; the abbreviation alone is not a composition specification.
Resin	The plant secretion or resinous material. It is not a synonym for every product bearing a similar marketing name.
Hash	A material associated with separated resin-bearing trichomes. The name does not establish purity or contaminant status.
Rosin	A resinous material associated with mechanical heat-and-pressure processing. The name does not establish a cannabinoid percentage.
Live rosin	Industry terminology linked to fresh-frozen starting material. Custody records are needed to support the claimed origin.
Live resin	Common industry terminology for a different product category, often solvent-extracted. Do not silently substitute it for live rosin.
Solventless	A process description, not a guarantee of freedom from pesticides, microbes, metals or other contamination.

Mesh labels describe equipment or fractions

A collection size range and a press-bag aperture refer to different things. A label such as 73-159 micrometres must say which stage it describes. A 5, 15 or 25 micrometre bag label does not mean that the resulting material is a chemically pure fraction or that all particles above that nominal size have been excluded.

The documentary chain

Maintain linked identities for source material, received lot, intermediate material, laboratory sample and finished batch. A public page can summarize the chain while confidential documents retain exact operational detail. Lot identity should survive every change in packaging and every analytical submission.

03 / REFERENCE EDITION

Trichomes and resin biology

Glandular trichomes are specialized plant structures associated with the production and storage of metabolites. Their appearance is informative, but microscopy and chemical analysis answer different questions. A photograph can document morphology; it cannot independently measure a complete cannabinoid or terpene profile.

Development changes structure and chemistry

Livingston and colleagues studied cannabis glandular trichomes using microscopy and metabolite analysis. Their work described changes in morphology and metabolite content during flower maturation and investigated developmental relationships between trichome types. The useful lesson for documentation is that a single image does not represent an entire plant or developmental sequence. [R1]

Storage is a biological structure

A later study examined cell-wall remodeling associated with the formation of the metabolite-storage cavity. It supports a structural understanding of resin storage rather than treating the gland as an inert container. These findings are plant biology, not a validated prediction of extraction performance for a named PSL cultivar. [R2]

What an image can support

A useful microscopy caption identifies the specimen, tissue region, date, scale bar, imaging method and any preparation or image processing. Apparent color depends on illumination and camera settings. An image of one field should not be presented as an unbiased survey of a whole batch.

What an image cannot support

Visual clarity, intact-looking structures or a dense surface do not establish the absence of microbes or pesticides. A large visible gland is not an independent measurement of chemical concentration. A compelling image should lead the reader to the linked analytical record rather than replace it.

Documenting heterogeneity

Keep multiple observations associated with the same specimen identity. Record whether an image was selected for illustration or obtained through a defined sampling plan. Preserve unedited originals. A documentary sequence should make variation visible, including atypical observations, without converting those observations into production recommendations.

04 / REFERENCE EDITION

Genetic collection / 01-12

The corrected PSL Genetics Collection Reference 2026 identifies 23 named entries. This catalogue takes precedence over conflicting older conversational numbering. Parentage below is reproduced as user-supplied catalogue information, not independently verified pedigree. Reservation labels from September are not current availability statements. [I1]

ID	Catalogue name	Reported parentage
PSL-01	BOP	Banana Shack x Diamond Glands
PSL-02	GUELAH PAPAYA	Papaya x GMO
PSL-03	ROASTED LEMONS	Pink Lemonade x Baker Dozen
PSL-04	COSMIC GARBAGE	Chem Gem x Diamond Glands
PSL-05	NEON CUBE	Blue16 x JOMO
PSL-06	PBQ	ButterFingaz x Diamond Glands
PSL-07	BANANA SHACK	Honey Bananas x JOMO
PSL-08	ZZ BOP	Orange Push Pop x Z Candy
PSL-09	MARANG	Peach Maraschino x BOP
PSL-10	FAIRY FART	Rose Fuzz x Diamond Glands
PSL-11	JOMO F1 ORIGINAL	GMO x Sugar Shack
PSL-12	THE FIZZ	Sherb Cake x Strawberry Guava

Preserve exact identity

Keep BOP typography variants searchable, but retain the original source spelling in the master record. Do not merge a phenotype code with a cultivar ID. PSL-01 #44 is more specific than PSL-01, and neither is a batch number.

Attribution

Earlier collection history associates the first eleven lines with Farm Studio / Farmhouse Studio / Shwale and The Fizz with Bloom Seed Co. Breeder naming and pedigree require source-level reconciliation before public legal ownership claims. No blanket statement that POSH STAR originally bred every historical entry is made here.

05 / REFERENCE EDITION

Genetic collection / 13-23

ID	Catalogue name	Reported parentage
PSL-13	ISLAND BLENDS	Tropicana Cookies x Guava
PSL-14	STRAWBERRY COTTON CANDY	Strawberry Guava x Cotton Candy
PSL-15	DULCE DE PAPAYA	Papaya x Dulce
PSL-16	POMELO PUNCH	Pomelo x Fruit Punch
PSL-17	MAPLE NECTAR	Maple Syrup x Nectarine
PSL-18	FUNK MTN	Papaya x Tropicana Cookies
PSL-19	CRISTAL CHALICE	Kush Mints x Zkittlez
PSL-20	SKUNK LIME	Mass Super Skunk x Too Much Lime
PSL-21	DANTE INFERNO	Oreoz x Devil Driver
PSL-22	FROZEN SUPER BOOF	Super Boof x Banana Butter Cups
PSL-23	BLUE LOBSTER	Apples & Bananas x Eye Candy

Names and crosses are catalogue statements, not authenticated genetic tests. The source spells CRISTAL CHALICE as shown. Other historical material uses CRYSTAL CHALICE and different numbering. The corrected reference places Blue Lobster at PSL-23. [I1]

The 25-genetics claim

The founder reports a 25-genetic collection and a new original breeding program. The corrected file recovered here contains 23 named entries; PSL-25 and PSL-MIX remain unmatched record identifiers in its appendix. This edition does not invent the two missing identities. CBD Charlotte Angel and CBG Force occur in older conversations but are not silently assigned to vacant catalogue IDs.

Original breeding register

For each newly claimed POSH STAR line, record its unique line ID, stated parents, parental accession sources, documentary dates, generation description, seed-lot identity and supporting custody records. This is a provenance register, not breeding instruction. "Magic Crist" is retained as a founder-mentioned name with spelling and identity unresolved; it is not assigned an invented pedigree.

06 / REFERENCE EDITION

Terpenes and monoterpenes

Terpenes are a diverse chemical family commonly described in terms of five-carbon building blocks. Monoterpenes have a ten-carbon skeleton; sesquiterpenes have a fifteen-carbon skeleton. Oxygenated related compounds are often described more precisely as terpenoids, although analytical menus commonly group them under "terpenes."

Compound	Chemical category	Descriptive vocabulary
Limonene	Monoterpene hydrocarbon	Citrus-associated
Alpha-pinene / beta-pinene	Distinct monoterpene hydrocarbons	Pine / resin-associated
Myrcene	Monoterpene hydrocarbon	Herbal / earthy-associated
Terpinolene	Monoterpene hydrocarbon	Herbal / floral-associated
Linalool	Oxygenated monoterpenoid alcohol	Floral-associated
Beta-caryophyllene	Sesquiterpene hydrocarbon	Pepper / spice-associated
Humulene	Sesquiterpene hydrocarbon	Woody / herbal-associated

Descriptions are not diagnoses

These odor associations are vocabulary aids, not guarantees of how a finished sample smells or affects a person. A sample contains a mixture; minor constituents can materially influence perception. Cultivar names such as Papaya or Roasted Lemons are not substitutes for analytical results.

Molecular identity matters

Isomers can share a molecular formula while differing in structure. Enantiomers are mirror-image forms. A routine report naming "limonene" may not resolve molecular handedness. Do not assume an achiral analytical result reproduces the identity of a compound used in a clinical study.

Volatility is contextual

Loss and transformation depend on the matrix, time, exposure and other conditions. A boiling-point chart is not a reliable prediction of the entire aroma profile during storage or use. This handbook does not prescribe processing temperatures or terpene-addition formulas.

Aroma quality is multidimensional

Intensity, balance, distinctiveness and stability are separate observations. A larger total terpene percentage is not automatically a better sensory experience, a safer material or a stronger clinical effect. Use chemistry to explain a sample rather than to replace careful description.

07 / REFERENCE EDITION

Reading a terpene profile

A terpene profile is the result of a specified analytical method applied to a particular sample. It is not the complete identity of a cultivar and not a clinical-effect prescription. Every profile should preserve units, reporting limits, sample basis and the list of compounds actually tested.

Absolute and relative percentages

A value expressed as percent by mass of the whole sample is different from percent of the measured terpene fraction. If one terpene represents 20% of the terpene fraction, that does not mean it represents 20% of the whole product. Reports and graphics must identify the denominator explicitly.

Panel coverage and non-detects

"Total terpenes" usually means the sum of a stated analytical panel. Compounds outside the panel are not proven absent. ND is a result relative to the method and reporting rules; it is not a claim of absolute zero. Co-eluting or unconfirmed signals should not receive invented identities.

Comparing two batches

A meaningful comparison requires compatible methods, units, sample bases and analyte panels. A difference may reflect sampling or analytical variation as well as material variation. Preserve the individual reports instead of publishing only a combined average. Do not infer clinical superiority from a changed ratio.

The POSH STAR 80% / 20% statement

The founder reports THCA above 80% and terpenes around 20%. The original reports were not recovered here. If both are exact mass percentages of the same whole sample, a total above 100% needs investigation. If one is a relative fraction, a different batch or a differently normalized result, the interpretation changes. Analytical uncertainty can also affect apparent totals. This edition neither certifies nor rejects a laboratory result it has not seen.

Recommended profile caption

"Batch [ID], sample [ID], analyzed [date] by [laboratory]. Results reported as [units and basis] using [method]. Total shown covers [panel]. This profile describes the tested sample and does not predict a guaranteed individual effect." The bracketed fields are deliberately blank template fields, not missing invented facts.

08 / REFERENCE EDITION

Sleep, alertness and inflammation

Research must be interpreted at the level actually studied: a molecule, a mixture, a route of exposure and a defined population. A laboratory mechanism cannot be presented as proof that a named POSH STAR batch treats disease.

Sleep: formulation evidence

A randomized crossover study published in the 2025 issue of the Journal of Clinical Sleep Medicine evaluated an oral CBD-terpene mixture in 125 people with insomnia. It reported a small average improvement in the percentage of time in combined slow-wave and REM sleep, measured by a wrist-worn device, without an increase in total sleep time. The design does not isolate one terpene or establish an effect of live rosin. Funding and author financial interests should accompany coverage. [R3]

Limonene: a narrow human finding

A 2024 controlled study examined vaporized D-limonene with THC in healthy adults who intermittently used cannabis. Certain anxiety-related ratings were reduced in the studied combination. This does not prove that citrus-smelling material is an anxiety treatment, that limonene is energizing, or that every natural terpene ratio produces the same result. [R4]

Inflammation: mechanism versus therapy

Gertsch and colleagues described beta-caryophyllene activity at CB2 and investigated anti-inflammatory effects in experimental models. That provides a mechanistic research foundation, not a human clinical claim for a PSL product. Product composition, exposure and clinical outcomes would require their own evidence. [R5]

Proposed label	Evidence-respecting alternative
Good for sleep	Research note: sleep findings relate to a specific studied formulation.
Energy / focus terpene	Aroma description; alertness benefits are not established here.
Anti-inflammatory rosin	Research note on experimental mechanisms; no product treatment claim.
Entourage effect proven	Specific interaction studied under defined conditions; not universal synergy.

This chapter is science communication, not treatment advice or a guide to dosing. No named terpene or product is recommended for treating insomnia, inflammation or attention difficulties.

09 / REFERENCE EDITION

Reading a certificate of analysis

A COA is a report about a submitted sample. Its value depends on identity, sampling, method and scope. A genuine report can still be irrelevant to a different lot, and a passing result for one panel does not establish that every relevant hazard was tested.

Check	What to establish
Identity	Report number, laboratory, sample ID, product matrix and matching batch.
Dates	Receipt, sampling where stated, analysis and report authorization.
Methods	Method identifiers and whether the matrix is within validated scope.
Units	Percent, mg/g, mg/kg or other units; dry basis versus as received.
Limits	LOD, LOQ, reporting limit and the applicable acceptance criterion.
Panel	Which cannabinoids, terpenes and contaminants were actually included.
Decision	Whether pass/fail is explicitly reported and against which specification.
Authenticity	A verifiable original report and retained amendment history.

Numbers that are easy to misread

One percent by mass equals 10 mg/g. Do not compare mg/kg directly with mg/g. THCA and delta-9 THC are separate analytes. A calculated total is not another independent ingredient that can be added to the individual analytes without double counting. The laboratory should state its calculation conventions.

Laboratory competence

Accreditation should be checked for the actual method and scope, not merely the presence of a logo. A laboratory can have accredited activities without every offered test being within that scope. The company should retain evidence of the laboratory status used for each decision; this edition does not name a laboratory that was not recovered from the records.

Sample integrity

The analytical submission should be linked to a sampling record and custody history. A retained image of a jar is useful for identity but does not prove the sample was representative. Any mismatch in batch, matrix or units should remain visible until resolved.

10 / REFERENCE EDITION

Clean input and quality evidence

Material quality must be demonstrated across a chain of custody. The following framework is a proposed documentation system, not a statement that the company already holds every listed test or qualification. It provides no remediation or extraction instructions.

Risk class	Documentary evidence
Biological	Applicable microbial and mycotoxin results; sample identity and test scope.
Chemical	Applicable pesticide and elemental-contaminant results; methods and limits.
Physical	Documented foreign-material observations and investigation records.
Identity	Provenance, cultivar/lot mapping and prevention of record mix-ups.
Moisture-related	Relevant moisture and water-activity data interpreted with matrix-specific specifications.
Packaging	Container identity, suitability documentation and closure observations.
Custody	Receipt, transfer, storage history and any recorded excursions.

What purity does and does not mean

Chemical abundance, visual cleanliness, process description and microbiological suitability are different dimensions. A cannabinoid percentage cannot substitute for contaminant testing. "Full COA" is useful only when the full panel and its applicable criteria are visible.

A specimen can pass one test and fail another

When results conflict, retain both and investigate the reason. Selectively presenting only favorable pages of a report undermines the documentary standard. A public summary should accurately state the limits of the evidence and link the matching report when publication is authorized.

Certification language

GACP relates to an agricultural quality framework and GMP to manufacturing quality systems in their applicable scope. Their names are not interchangeable. This handbook makes no jurisdiction-specific legal determination and contains no assertion that an age gate or a scientific disclaimer makes a website fully compliant.

11 / REFERENCE EDITION

Interpreting the historical records

The corrected collection reference preserves 65 historical percentage records and 80 newer records, including mixed or ambiguous labels. These are record counts, not automatically distinct phenotypes or independent experiments. It explicitly corrects earlier modeled output-per-plant figures and notes that the new source labels its two mass columns only as grams. [I1]

A real record behind the reported 8% claim

PSL-01 #44 appears with first mass 2,000 g, second mass 162 g and reported 8.1%. The arithmetic ratio is consistent, but the corrected document does not independently verify the physical meaning of those columns. It therefore supports the existence of a reported internal result, not a laboratory-certified recovery claim. A 9% batch was not located in the retrieved records. [I1, I2]

Keep corrections attached

The earlier Master All-Batch Selection report interprets the masses as input and recovery and presents rankings and modeled per-plant values. The later corrected reference withdraws that interpretation as independently established and removes rankings. The handbook follows the corrective document rather than repeating the stronger earlier wording. [I1, I2]

Identifier traps

PSL-06 #046 and #46 remain separate source labels until their equivalence is documented. Decimal labels such as #2.1 and #2.2 remain distinct. PSL-12 #2&6 is a combined or ambiguous entry and must not be split into two independent observations. A mixed sample cannot establish the properties of one cultivar. [I1]

Zeros, missing values and repeated summaries

Zero is not the same as missing. A printed zero can reflect a true observation, a rejected sample, an interrupted activity or an entry issue; the cause needs its source record. Translated tables and repeated summaries of the same data are not additional experiments.

How to cite these records publicly

Use wording such as: "An internal 2026 record lists 8.1% for PSL-01 #44; source-column definitions and independent verification remain unresolved." Do not transform a peak record into a guarantee for the cultivar or a general performance promise. This chapter audits the historical claims; it does not rank plants or advise how to improve production.

12 / REFERENCE EDITION

PSL Documentary / image evidence

A documentary is strongest when its visuals have a traceable origin. The supplied Dulce de Papaya artwork contains the POSH STAR wordmark and rounded star. It is brand artwork, not a photograph of a specimen or evidence for a scientific claim. This designed edition uses the rounded star asset traced for the POSH STAR website from the supplied label. No specimen photographs have been added.

Image record

Associate each image with an asset ID, creator, creation date, rights status, subject identity and disclosure status. For scientific images, add sample ID, imaging method, scale and any preparation or enhancement. Preserve the original file alongside exported versions.

Honest captions

Separate observation from interpretation. "Microscopy image of sample X" is different from "purest trichomes in the world." A caption should describe what can be seen and what another measurement established. Do not imply that a stock image depicts the actual batch.

A documentary chapter sequence

A public documentary can introduce the founder, show the botanical collection, explain trichome biology, describe the evidence chain, illustrate how a COA is read and close with a documented case study. The narrative can be detailed without exposing operational recipes, private personnel information or unverified medical claims.

Brand consistency

Use one approved master logo asset for each published format. Preserve proportions, spacing and color versions. Do not redraw a trademark repeatedly from screenshots and call each new rendering the original. The book, website and report templates should share typography and clear figure captions.

Public versus private

Public versions should exclude sensitive source documents, signatures, employee identifiers, proprietary procedures and commercially confidential information unless disclosure was specifically authorized. This handbook has not been published to a website; its private preparation does not imply that every source record is cleared for public release.

13 / REFERENCE EDITION

Quality records and exceptions

The following is an editorial quality framework for organizing evidence. It is not a validated facility SOP or a substitute for an authorized quality professional. Its purpose is to prevent an unsupported claim from becoming an apparently established fact through repetition.

Document control

Every controlled document needs an identifier, version, effective date, owner and revision reason. A newer document should identify what it supersedes. Retain earlier versions for traceability while preventing accidental use of a withdrawn conclusion.

Exception record

An exception should name the affected batch or document, the observation, when it was found, the evidence preserved, the responsible reviewer and the disposition. Record facts separately from suspected causes. Avoid changing the original data to make the outcome look consistent.

Corrective and preventive action

A correction fixes a specific record or problem. A corrective action addresses an established cause. A preventive action addresses a plausible future failure. Document completion and the evidence that the action worked; a checked box is not proof of effectiveness.

Out-of-specification results

A failing or anomalous result should remain linked to the original report, with investigation and final disposition. Repeatedly testing until a favorable result appears is not an adequate scientific explanation. Any repeat analysis should have a documented rationale and preserve the original finding.

Claim release

Before a statement is published, identify its exact supporting source, scope and reviewer. A claim about one sample should not be generalized to every batch. When a source is corrected or withdrawn, update every page, caption and downloadable file that relies on it.

Complaints and follow-up

Maintain an accessible channel for corrections and product-related concerns. A complaint record should connect the issue with the relevant lot and preserve the response history. This reference does not invent a customer complaint, a recall event or an official company release decision.

14 / REFERENCE EDITION

Website and domain specification

This chapter defines a publication plan for the handbook and eventual movement from lab.poshstar.org to poshstar.org. It is a specification only: no website publication, DNS change, redirect or Search Console operation was performed while preparing this book.

Information architecture

Use a handbook landing page with chapter navigation, a searchable glossary, source references and an edition history. Keep journal articles distinct from controlled handbook chapters. Each chapter should show its publication date, substantive revision date, author/editor role and evidence status.

Public evidence design

Use explicit badges such as "Plant research," "Human study," "Internal record" and "Founder report." Readers should be able to reach a citation from the exact statement it supports. General science content must not silently become a treatment or sales claim through adjacent labels.

Migration acceptance criteria

Before moving a domain, inventory current paths and prepare a one-to-one redirect map. Preserve useful article paths, choose a canonical hostname, update internal links and sitemap URLs, verify HTTPS and check images and downloads. Confirm Search Console ownership and relevant migration tools only through actual account access. These are planned checks, not completed actions.

Existing features to preserve

Retain the approved star asset, accessible navigation, journal search and topic filters, language support and the current 21+ entry behavior. An age declaration is not identity verification and does not establish comprehensive legal compliance. Avoid promising perfect ranking or viral reach.

Public release boundary

Use a separately reviewed public edition when source records contain private or commercially sensitive detail. This reference can be the editorial source for that edition, but its preparation should not trigger automatic publication of all internal material. Domain migration remains a distinct technical task requiring the actual current site and domain state.

15 / REFERENCE EDITION

Reusable records / templates

These are blank documentation forms for adaptation. They are not completed batch records and do not assert that testing, release or approval has occurred.

A. Scientific claim card

Claim text: _____
Evidence category: _____
Primary source / document ID: _____
Population or sample / matrix: _____
Measured outcome: _____
What the source does not establish: _____
Reviewer / date / next review: _____

B. COA index card

Batch ID / sample ID: _____
Laboratory / report number: _____
Report date / amendment: _____
Method and accredited scope checked: _____
Units and sample basis: _____
Panel and acceptance criteria: _____
Result / exceptions / linked original: _____

C. Genetic provenance card

Catalogue ID / exact name: _____
Phenotype or accession ID: _____
Reported parentage and source: _____
Original breeder / selection owner: _____
New breeding claim and supporting record: ____
Aliases, unresolved identifiers: _____

D. Media and publication card

Asset ID / rights holder: _____
Sample or subject / date: _____
Original file / edits: _____
Caption / source reference: _____
Public or private status: _____
Approved placement / version: _____

16 / REFERENCE EDITION

Glossary and sources

Term	Working definition
Accession	A uniquely identified item in a genetic or biological collection.
Analyte	The substance being measured by a method.
COA	Certificate of analysis for an identified tested sample.
LOD / LOQ	Detection and quantification limits, as defined by the method.
Matrix	The material in which an analyte is measured.
Phenotype	Observed characteristics; a phenotype code needs its own identity record.
Provenance	Documented origin and history.
Terpenoid	A broader chemical term commonly including oxygenated terpene derivatives.
Traceability	The ability to link a result, material or claim back through its records.

Internal documents reviewed

[I1] PSL_Genetics_Collection_Reference_2026.pdf, corrected catalogue and unranked batch records, 13 pages. Current accessible contents read 4 November 2026. Authoritative for the catalogue reproduced here; not independent pedigree or laboratory verification.

[I2] PSL_Master_All_Batches_Final_Selection_2026.pdf, 13 pages. Earlier interpretive selection report. Reviewed to identify its conflict with the corrective reference; its stronger production conclusions are not adopted.

The source documents are internal compilations, some generated with AI assistance. The handbook distinguishes their transcription and interpretation from original measurement records. Historical conversations and the founder's 4 November 2026 request support brand context and separately labeled founder reports.

REF / REFERENCE EDITION

Primary research register

[R1] Livingston SJ et al. Cannabis glandular trichomes alter morphology and metabolite content during flower maturation. The Plant Journal. 2020;101:37-56.

https://doi.org/10.1111/tpj.14516

[R2] Livingston SJ et al. Cannabis Glandular Trichome Cell Walls Undergo Remodeling to Store Specialized Metabolites. Plant and Cell Physiology. 2021;62:1944-1962.

https://doi.org/10.1093/pcp/pcab127

[R3] Wang M et al. Effects of a cannabidiol/terpene formulation on sleep in individuals with insomnia: a double-blind, placebo-controlled, randomized, crossover study. Journal of Clinical Sleep Medicine. 2025;21:69-80.

https://doi.org/10.5664/jcsm.11324

[R4] Spindle TR et al. Vaporized D-limonene selectively mitigates the acute anxiogenic effects of delta-9-tetrahydrocannabinol in healthy adults who intermittently use cannabis. Drug and Alcohol Dependence. 2024;257:111267.

https://doi.org/10.1016/j.drugalcdep.2024.111267

[R5] Gertsch J et al. Beta-caryophyllene is a dietary cannabinoid. Proceedings of the National Academy of Sciences. 2008;105:9099-9104.

https://doi.org/10.1073/pnas.0803601105

Research coverage

These are selected primary studies verified for this edition, not a systematic review or a claim to contain every paper published through 2026. Abstracts and accessible publication records were used; no proprietary full-text access is implied. Scientific references support the cited science, not the analytical quality of a POSH STAR product.

Edition boundary

Completed: English reference manuscript, corrected 23-entry catalogue, evidence interpretation, quality-document templates and publication specification. Not established: independent COA authentication, verification of certificates, original breeding ownership, a 9% record, all-world comparative purity, or a completed domain migration.