

# Requirements for Reference Standard NCE

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## Focus Workshop

*(In collaboration with the AAPS and JBF)*

**Industry input into ICH M10: Experimental data as the  
cornerstone for a science driven bioanalytical guideline**

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# Problem statement: *Reference standards for NCE*

- Opportunity to harmonise on certificate of analysis requirements
- What level of characterization is required for regulatory work
- Lack of clarity on how to handle updated batch information and assess impact on associated solutions
- Re-test vs expiration date including impact on existing solutions & samples

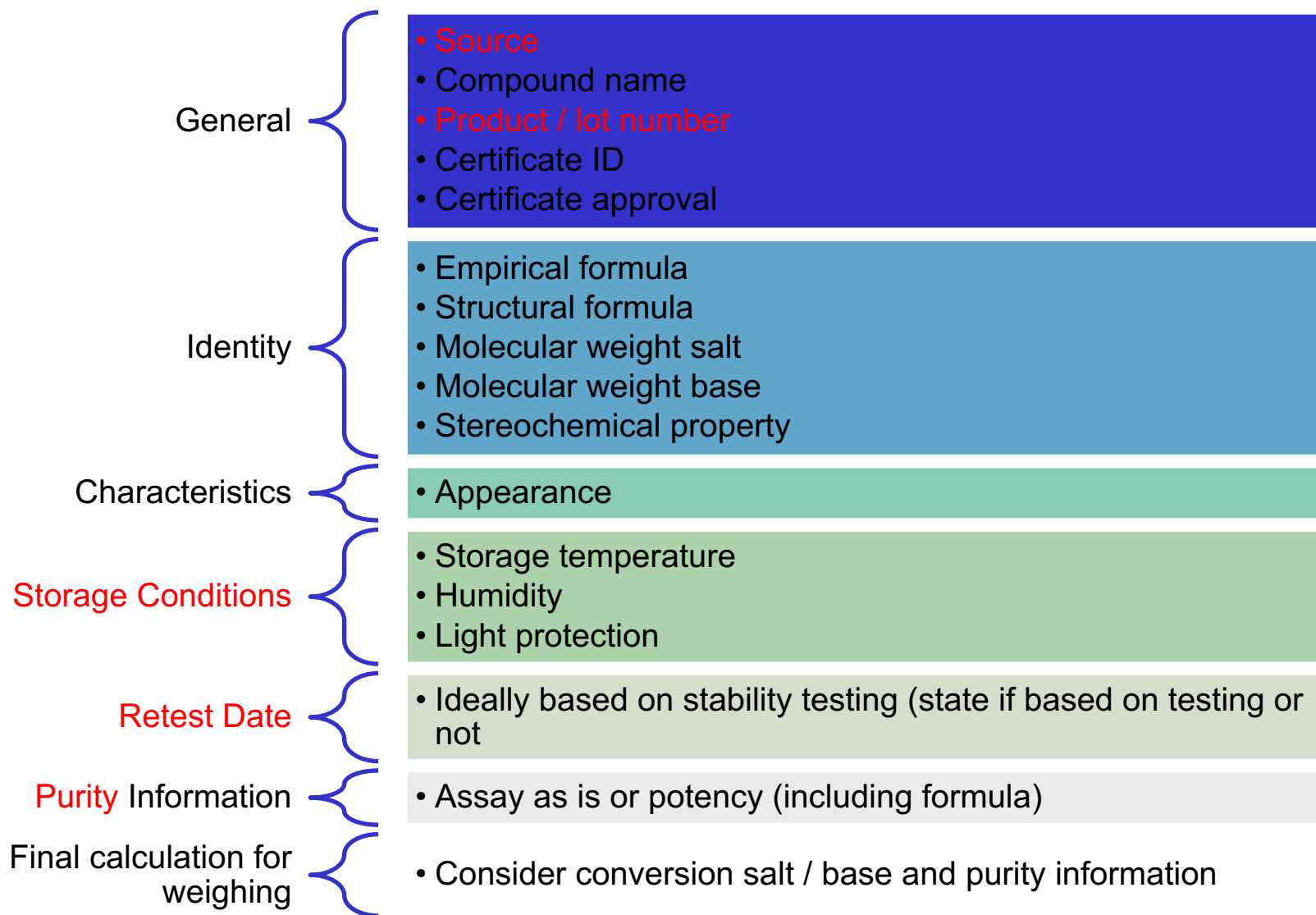
# Outline

- EBF recommendations for the ideal certificate of analysis
  - Including advice on re-test vs expiration
- Recommendations on
  - Use of insufficiently characterised material
  - What to do when batch characterisation data changes
  - Impact of material passing re-test or expiry on derived solutions (and samples)

# Minimum Requirements for CoFA

- All agencies (FDA, EMA, ANVISA, CFDA, MHWL) agree reference standard should be from authenticated, traceable sources and a Certificate of Analysis (CoA), or equivalent documentation should be provided
- Recommendation
  - Lot / batch number (source / manufacturer)
  - Expiration or retest date
  - Purity
  - Storage

# Ideal Certificate of Analysis



## **Retest *vs* expiration date recommendation**

- Material with either expiry date or re-test date are acceptable for use
  - Retest – when material should be re-examined to ensure that it is still suitable for use
  - Expiry – assigned to products where stability has been defined
- Preferable to use material where retest date is based on evaluation of data derived from stability studies
  - Acknowledge that this is not always possible for early batches of material
  - Request that CofA should state if retest date is simply “defined” or is based on stability data

## Retest vs. expiration date

- Retest – when material should be re-examined to ensure that it is still suitable for use
- This is not an expiry
- Recommendation
  - SOP on how to handle re-testing and continued use of material whilst waiting for formal retesting

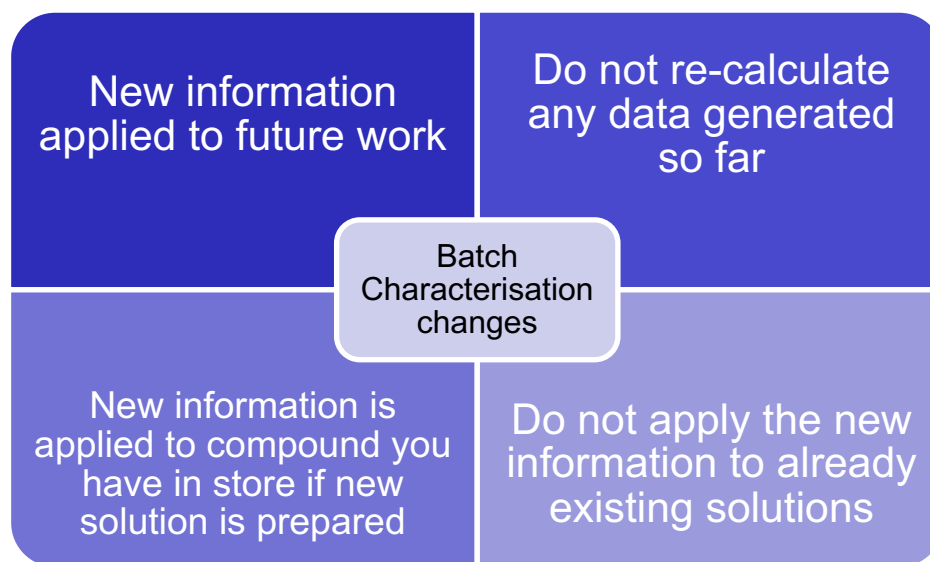
# Reference standards with insufficiently detailed CofA

- Recommendation
- Do Not accept an insufficiently detailed CoA  
in regulated work
- Exception
  - In case of rare material (e.g. metabolite) where  
an insufficient amount of material is available to  
allow sufficient characterisation



# What to do when CofA information changes

- Recommendations supported by European industry survey data



- If low purity batch used in validation and new batch purity is improved assess the impact on your validated method

# Retest and Expiry of NCE

- Retest and Expiry of a compound is for the compound in some physical state (and matrix) under some storage condition



- Therefore
  - Test item expiry does not apply to solutions or samples
- Recommend continued use
  - Stability established for solutions and samples should be adhered to

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