

James Cook - New Zealand Pale Ale

- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **46**
- SRM **4.7**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **21 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.7 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15 liter(s)**
- Total mash volume **20 liter(s)**

Steps

- Temp **65 C**, Time **60 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **15 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **60 min** at **65C**
- Keep mash **5 min** at **78C**
- Sparge using **17.7 liter(s)** of **76C** water or to achieve **27.7 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|---------------------------|-------------|-------|-----|
| Grain | Weyermann - Pale Ale Malt | 5 kg (100%) | 85 % | 7 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|-----------|---------------|--------|----------|------------|
| Boil | Southern star | 20 g | 50 min | 15.8 % |
| Boil | Southern star | 30 g | 5 min | 15.8 % |
| Whirlpool | Nelson Sauvín | 50 g | 5 min | 11 % |
| Dry Hop | Nelson Sauvín | 100 g | 3 day(s) | 11 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------|------|------|--------|------------|
| Safale US-05 | Ale | Dry | 23 g | --- |

Extras

| Type | Name | Amount | Use for | Time |
|--------|----------------|--------|---------|--------|
| Fining | Mech Irlandzki | 5 g | Boil | 15 min |

Notes

- Fermentacja:

Recipe has been printed via **BREWNESS.com** - a complex online solution for homebrewers to track brewing process easily.

Burzliwa (7 dni w 17-18 st. C)
Cicha (7-8 dni w 17-18 st. C)

Butelkowanie:

Syrop cukrowy (100 g cukru białego w 500 ml wody) na refermentacji

Dojrzewanie piwa:

3 tygodnie w temperaturze 10-18 st. C.

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