

# KROWA - STRAWBERRY MILKSHAKE AIPA

- Gravity **16.8 BLG**
- ABV **7.1 %**
- IBU **39**
- SRM **4.8**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **21 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **26.5 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **21 liter(s)**
- Total mash volume **28 liter(s)**

## Steps

- Temp **68 C**, Time **90 min**
- Temp **78 C**, Time **10 min**

## Mash step by step

- Heat up **21 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **90 min** at **68C**
- Keep mash **10 min** at **78C**
- Sparge using **12.5 liter(s)** of **76C** water or to achieve **26.5 liter(s)** of wort

## Fermentables

| Type  | Name                 | Amount       | Yield | EBC |
|-------|----------------------|--------------|-------|-----|
| Grain | Viking Pale Ale malt | 5 kg (71.4%) | 80 %  | 5   |
| Grain | Pszeniczny           | 1 kg (14.3%) | 85 %  | 4   |
| Grain | Płatki owsiane       | 1 kg (14.3%) | 85 %  | 3   |

## Hops

| Use for | Name        | Amount | Time     | Alpha acid |
|---------|-------------|--------|----------|------------|
| Boil    | Smaragd     | 20 g   | 60 min   | 3.9 %      |
| Boil    | Citra       | 15 g   | 30 min   | 12 %       |
| Boil    | Motueka     | 15 g   | 30 min   | 7 %        |
| Boil    | Citra       | 15 g   | 15 min   | 12 %       |
| Boil    | Motueka     | 15 g   | 15 min   | 7 %        |
| Dry Hop | Barbe Rouge | 100 g  | 5 day(s) | 6.6 %      |
| Dry Hop | Motueka     | 100 g  | 5 day(s) | 7 %        |

## Yeasts

| Name                                     | Type | Form | Amount | Laboratory      |
|--|------|------|--------|-----------------|
| Mangrove Jack's M42 New World Strong Ale | Ale  | Dry  | 12.5 g | Mangrove Jack's |

## Extras

| Type  | Name              | Amount | Use for   | Time     |
|-------|-------------------|--------|-----------|----------|
| Spice | Laktoza           | 1000 g | Boil      | 20 min   |
| Spice | Puree z truskawek | 3000 g | Secondary | 5 day(s) |