

## #41 Milkshake IPA

- Gravity **12.4 BLG**
- ABV **5 %**
- IBU **14**
- SRM **3.6**
- Style **Fruit Beer**

### Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **0 %**
- Size with trub loss **22 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **26.6 liter(s)**

### Mash information

- Mash efficiency **90 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **10.5 liter(s)**
- Total mash volume **14 liter(s)**

### Steps

- Temp **68 C**, Time **90 min**
- Temp **76 C**, Time **15 min**

### Mash step by step

- Heat up **10.5 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **90 min** at **68C**
- Keep mash **15 min** at **76C**
- Sparge using **19.6 liter(s)** of **76C** water or to achieve **26.6 liter(s)** of wort

### Fermentables

| Type    | Name                  | Amount         | Yield | EBC |
|---------|-----------------------|----------------|-------|-----|
| Grain   | Soufflet - pilzneński | 1 kg (23.5%)   | 80 %  | 4   |
| Grain   | Malteurop - Pale Ale  | 2.5 kg (58.8%) | 80 %  | 6   |
| Adjunct | Oats, Flaked          | 0.25 kg (5.9%) | 80 %  | 2   |
| Adjunct | Wheat, Flaked         | 0.5 kg (11.8%) | 77 %  | 4   |

### Hops

| Use for | Name    | Amount | Time     | Alpha acid |
|---------|---------|--------|----------|------------|
| Boil    | Magnum  | 10 g   | 60 min   | 13 %       |
| Boil    | Warrior | 90 g   | 0 min    | 15.5 %     |
| Dry Hop | Citra   | 50 g   | 0 day(s) | 12 %       |
| Boil    | Simcoe  | 100 g  | 0 min    | 13 %       |

### Yeasts

| Name                   | Type | Form   | Amount  | Laboratory |
|------------------------|------|--------|---------|------------|
| FM55 - Zielone wżgórze | Ale  | Liquid | 1000 ml | ---        |

### Extras

| Type | Name | Amount | Use for | Time |
|------|------|--------|---------|------|
|------|------|--------|---------|------|

|       |           |        |           |          |
|-------|-----------|--------|-----------|----------|
| Other | Wiśnie    | 900 g  | Secondary | 0 day(s) |
| Other | Truskawka | 1350 g | Secondary | 0 day(s) |
| Other | Laktoza   | 1000 g | Secondary | 0 day(s) |