

Truskawkowy milkshake IPA "Truskawki w Ministerstwie"

- Gravity **14.7 BLG**
- ABV **6.1 %**
- IBU **36**
- SRM **5.1**
- Style **Fruit Beer**

Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **27.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **33 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18 liter(s)**
- Total mash volume **24 liter(s)**

Steps

- Temp **68 C**, Time **70 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **18 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **70 min** at **68C**
- Keep mash **10 min** at **78C**
- Sparge using **21 liter(s)** of **76C** water or to achieve **33 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------|---------------|--------|-----|
| Grain | Viking Pale Ale malt | 3 kg (42.9%) | 80 % | 5 |
| Grain | Płatki pszeniczne | 0.5 kg (7.1%) | 85 % | 3 |
| Sugar | Milk Sugar (Lactose) | 1 kg (14.3%) | 76.1 % | 0 |
| Grain | Strzegom Pilzneński | 2 kg (28.6%) | 80 % | 4 |
| Grain | Strzegom Bursztynowy | 0.5 kg (7.1%) | 70 % | 49 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|-----------|------------------------|--------|--------|------------|
| Boil | Columbus/Tomahawk/Zeus | 20 g | 60 min | 15.5 % |
| Boil | citra | 15 g | 10 min | 10.4 % |
| Whirlpool | Citra | 35 g | 15 min | 12 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------|------|------|--------|------------|
| Safale US-05 | Ale | Dry | 11.5 g | Fermentis |

Extras

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

| | | | | |
|--------|-----------|--------|-----------|----------|
| Flavor | truskawki | 4000 g | Secondary | 7 day(s) |
| Flavor | Wanilia | 3 g | Secondary | 7 day(s) |