

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