

# Płaszczkowe

- Gravity **13.1 BLG**
- ABV **5.3 %**
- IBU **50**
- SRM **5.1**
- Style **American Pale Ale**

## Batch size

- Expected quantity of finished beer **24 liter(s)**
- Trub loss **3 %**
- Size with trub loss **25.4 liter(s)**
- Boil time **60 min**
- Evaporation rate **8 %/h**
- Boil size **29.6 liter(s)**

## Mash information

- Mash efficiency **85 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **19.3 liter(s)**
- Total mash volume **24.8 liter(s)**

## Steps

- Temp **62 C**, Time **50 min**
- Temp **72 C**, Time **30 min**
- Temp **78 C**, Time **20 min**

## Mash step by step

- Heat up **19.3 liter(s)** of strike water to **68C**
- Add grains
- Keep mash **50 min** at **62C**
- Keep mash **30 min** at **72C**
- Keep mash **20 min** at **78C**
- Sparge using **15.8 liter(s)** of **76C** water or to achieve **29.6 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	5 kg (90.9%)	80 %	5
Grain	Redactiv Strzegom	0.5 kg (9.1%)	80 %	40

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Columbus/Tomahawk/Zeus	20 g	60 min	15.5 %
Boil	Columbus/Tomahawk/Zeus	20 g	25 min	15.5 %
Boil	Columbus/Tomahawk/Zeus	10 g	5 min	15.5 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Gozdawa Belgian Fruit Spicy Ale Yeast	Ale	Dry	10 g	Gozdawa

## Extras

Type	Name	Amount	Use for	Time
Fining	Mech irlandzki	5 g	Boil	20 min