

# Latający Wojtek

- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **24**
- SRM **4**
- Style **American Wheat or Rye Beer**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

## Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15 liter(s)**
- Total mash volume **20 liter(s)**

## Steps

- Temp **67 C**, Time **60 min**

## Mash step by step

- Heat up **15 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **60 min** at **67C**
- Sparge using **15.3 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

## Fermentables

| Type  | Name                | Amount     | Yield | EBC |
|-------|---------------------|------------|-------|-----|
| Grain | Viking Wheat Malt   | 4 kg (80%) | 83 %  | 5   |
| Grain | Viking Pilsner malt | 1 kg (20%) | 82 %  | 4   |

## Hops

| Use for             | Name   | Amount | Time   | Alpha acid |
|---------------------|--------|--------|--------|------------|
| Boil                | Citra  | 15 g   | 60 min | 10 %       |
| Aroma (end of boil) | Mosaic | 10 g   | 5 min  | 10 %       |
| Aroma (end of boil) | Simcoe | 10 g   | 5 min  | 13.2 %     |
| Aroma (end of boil) | Citra  | 10 g   | 5 min  | 10 %       |

## Yeasts

| Name         | Type | Form | Amount | Laboratory |
|--------------|------|------|--------|------------|
| Safale US-05 | Ale  | Dry  | 11 g   | Fermentis  |

## Extras

| Type  | Name           | Amount | Use for | Time   |
|-------|----------------|--------|---------|--------|
| Other | otręby owsiane | 300 g  | Mash    | 60 min |

## Notes

- BIAB w pełnej objętości wody  
woda przefiltrowana RO z dodatkiem łyżeczki gipsu piwowarskiego.

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