

# Łaki Łan

- Gravity **11.9 BLG**
- ABV **4.8 %**
- IBU **19**
- SRM **3.5**
- Style **Weizen/Weissbier**

## Batch size

- Expected quantity of finished beer **20.1 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **23.2 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.15 liter(s) / kg**
- Mash size **13.2 liter(s)**
- Total mash volume **17.4 liter(s)**

## Steps

- Temp **45 C**, Time **15 min**
- Temp **67 C**, Time **50 min**
- Temp **76 C**, Time **1 min**

## Mash step by step

- Heat up **13.2 liter(s)** of strike water to **49C**
- Add grains
- Keep mash **15 min** at **45C**
- Keep mash **50 min** at **67C**
- Keep mash **1 min** at **76C**
- Sparge using **14.2 liter(s)** of **76C** water or to achieve **23.2 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	2 kg (47.6%)	81 %	4
Grain	Pszeniczny	2.2 kg (52.4%)	85 %	4

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Lublin (Lubelski)	15 g	60 min	3.5 %
Boil	Marynka	10 g	57 min	10.5 %

## Yeasts

Name	Type	Form	Amount	Laboratory
FM41 Gwoździe i Banany	Wheat	Liquid	30 ml	Fermentum Mobile