

Americanos Lageros

- Gravity **12.6 BLG**
- ABV **5.1 %**
- IBU **20**
- SRM **4.5**
- Style **Standard American Lager**

Batch size

- Expected quantity of finished beer **21 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.7 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15.3 liter(s)**
- Total mash volume **20.4 liter(s)**

Steps

- Temp **62 C**, Time **30 min**
- Temp **72 C**, Time **30 min**
- Temp **78 C**, Time **1 min**

Mash step by step

- Heat up **15.3 liter(s)** of strike water to **69C**
- Add grains
- Keep mash **30 min** at **62C**
- Keep mash **30 min** at **72C**
- Keep mash **1 min** at **78C**
- Sparge using **17.5 liter(s)** of **76C** water or to achieve **27.7 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-----------------------------------|--------------|-------|-----|
| Grain | Weyermann - Bohemian Pilsner Malt | 4 kg (78.4%) | 81 % | 4 |
| Grain | Weyermann - Monachijski I | 1 kg (19.6%) | 80 % | 16 |
| Grain | Weyermann - Zakwaszający | 0.1 kg (2%) | 75 % | 4 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|--------------|--------|----------|------------|
| Boil | Mosaic | 5 g | 25 min | 10 % |
| Boil | Enigma (AUS) | 5 g | 25 min | 17.2 % |
| Boil | Mosaic | 20 g | 5 min | 10 % |
| Boil | Enigma (AUS) | 20 g | 5 min | 17.2 % |
| Dry Hop | Mosaic | 25 g | 3 day(s) | 10 % |
| Dry Hop | Enigma (AUS) | 25 g | 3 day(s) | 17.2 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|------|------|------|--------|------------|
|------|------|------|--------|------------|

| | | | | |
|------------------|-------|-------|--------|-----------|
| Saflager W 34/70 | Lager | Slant | 200 ml | Fermentis |
|------------------|-------|-------|--------|-----------|

Extras

| Type | Name | Amount | Use for | Time |
|--------|-----------|--------|---------|--------|
| Fining | whirflock | 1 g | Boil | 15 min |