



ANNEX III

SECTION B.

Zootechnical certificate, in accordance with Regulation (EU) 2016/1012, for entry into the Union of semen of purebred breeding animals of the following species: <b>(a) bovine species (Bos taurus, Bos indicus, Bubalus bubalis) (1)</b>		
<i>This Zootechnical Certificate is printed in accordance with Regulation (EU) 2020/602. All EU official languages of the zootechnical certificates, including footnotes and notes, are available in EUR Lex</i>		Certificate number: 6231766-10
Name of issuing breeding body/semen collection or storage center: CRV USA Holdings, Inc. W7652 US HIGHWAY 151 FOND DU LAC WI 54937-9420		
<i>Part A. Information on the donor male purebred breeding animal</i>		
1. Name of issuing breed society/competent authority: Holstein Association USA, 1 Holstein Place, PO Box 808, Brattleboro, VT, 05302 USA		
2. Name of breeding book: Holstein Association USA	3. Name of breed of donor male: Holstein	
4. Class within the main section of the herd book where animal is entered: Main Section		
5. Breeding book number of donor male: HO840003260814961		
6. Identification of animal 6.1. System: RFID 6.2. Individual identification number: HO840003260814961 6.3. Name: T-SPRUCE JIMBEAM-ET	7. Identity verification 7.1. Method: DNA-MS 7.2 Result: SIRE & DAM QUALIFIES M23136210	8. Date and country of birth of donor male: 10.11.2022 USA
9. Name, address, and email address of breeder: Arnold B. Gruenes, 17565 COUNTY ROAD 43, RICHMOND, MN 56368-8544		
10. Name, address, and email address of owner: CRV USA Holdings, Inc., W7652 US HIGHWAY 151, FOND DU LAC, WI 54937-9420		
11. The pedigree of the animal including breed composition – Please See Attached		
11.1. Sire  Herd book number: HO840003219742983  Name: LARS-ACRES GEORGE MILLER-ET  Section: Main Section	11.1.1. Paternal Grandsire  Herd book number: HO840003151003682 Name: LEANINGHOUSE TAOS-ET	Section: Main Section
	11.1.2. Paternal Granddam  Herd book number: HO840003201996841 Name: LARS-ACRES SSI 22899-ET	Section: Main Section
11.2. Dam  Herd book number: HO840003220248114  Name: T-SPRUCE CONWAY 16106-ET  Section: Main Section	11.2.1. Maternal Grandsire  Herd book number: HO840003148929379 Name: SANDY-VALLEY R CONWAY-ET	Section: Main Section
	11.2.2. Maternal Granddam  Herd book number: HO840003205638743 Name: MERCEDES LIONEL LASS-ET	Section: Main Section
12. Additional information 12.1. Results of performance testing: Please See Attached Pedigree 12.2. Up-to-date results of the genetic evaluation: <a href="https://www.naab-css.org/sire-evaluation-database/HO840003260814961">https://www.naab-css.org/sire-evaluation-database/HO840003260814961</a> 12.3. Genetic defects and genetic peculiarities of donor male in relation to the breeding programme: Please see attached Pedigree 12.4. Other relevant information on donor male: Please See Attached Pedigree  12.5. Other relevant information, including results of performance testing or genetic evaluation, on parents and grandparents if not indicated in point 11: Please See Attached Pedigree		
13. Validation  13.1. Done at: Brattleboro Vermont    13.2. On: 05.07.2023  13.3. Name and capacity of signatory: JENIFER LEVISEE, MANAGER QUALITY ASSURANCE	13.4. Signature  	



# OFFICIAL HOLSTEIN PEDIGREE



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## 99% Registered Holstein Ancestry (RHA-I)

**T-SPRUCE JIMBEAM-ET** +3073 G  
840003260814961 99%RHA-I TR TP TC TL TD

97H042920 2724  
10/11/2022 MALE

CRV USA HOLDINGS, INC.  
JAMIE CAYO  
SUITE 2300  
MADISON, WI 53718  
608/469-9895

PTA +1221M +109F +60P 78%R 4/2023  
PTA +1115NM +.21%F +.08%P 100%US  
PTA +5.3PL 2.82SCS -.2DPR1.8%DCE  
PTA +1.57T +1.94UDC +.64FLC 77%R 4/2023  
PTA +306FE +0.4FI 2.1%SCE

A1/A2 BB P9 75K GTPI 91%R  
**LEANINGHOUSE TAOS-ET** +2904 G  
840003151003682 99%RHA-I TR TP TC TY TV  
01/29/2019

PTA +1060M +67F +54P 94%R 4/2023  
PTA +796NM +.09%F +.07%P 100%US  
PTA +5.7PL 2.78SCS +2.4DPR2.0%DCE  
PTA +1.65T +1.57UDC +.99FLC 90%R 4/2023

A1/A2 BB 19K GTPI 83%R  
**LARS-ACRES SSI 22899-ET** +2833 G  
840003201996841 99%RHA-I TR TP TC TL TD  
3-10 86 +VVVV 03/24/2019

PTA +583M +64F +49P 84%R 4/2023  
PTA +899NM +.15%F +.11%P  
PTA +6.5PL 2.61SCS +.9DPR2.5%DCE  
PTA +.93T +1.64UDC -.93FLC 83%R 4/2023

AGE	X	DAYS	MILK	DCRM	%	FAT	%	PRT	DCRC	
***	1-11	3	305	28190	102	4.6	1294	3.5	981	92
			365	33420	102	4.7	1585	3.6	1198	92

P9 60K GTPI 80%R  
**LARS-ACRES GEORGE MILLER-ET** +2991 G  
840003219742983 99%RHA-I TR TP TC TY TV  
11/26/2020

PTA +298M +80F +49P 81%R 4/2023  
PTA +1000NM +.24%F +.14%P 100%US  
PTA +7.4PL 2.51SCS +2.1DPR2.2%DCE  
PTA +.90T +1.64UDC +.37FLC 80%R 4/2023  
PTA +209FE +2.2FI 2.6%SCE

A2/A2 BB P9 75K GTPI 92%R  
**SANDY-VALLEY R CONWAY-ET** +2938 G  
840003148929379 99%RHA-I TR TP TC TY TV  
03/18/2019

PTA +475M +99F +49P 95%R 4/2023  
PTA +872NM +.28%F +.12%P 100%US  
PTA +3.8PL 2.92SCS +.5DPR2.2%DCE  
PTA +1.80T +1.53UDC +1.51FLC 88%R 4/2023

P9 32K GTPI 80%R  
**T-SPRUCE CONWAY 16106-ET** +3078 G  
840003220248114 99%RHA-I  
02/22/2021

PTA +1642M +124F +64P 81%R 4/2023  
PTA +1099NM +.21%F +.04%P  
PTA +3.9PL 2.91SCS -2.2DPR2.3%DCE  
PTA +1.88T +2.17UDC +.86FLC 79%R 4/2023  
PTA +336FE -1.2FI 2.2%SCE

19K GTPI 82%R  
**MERCEDES LIONEL LASS-ET** +3078 G  
840003205638743 99%RHA-I  
04/29/2019

PTA +2152M +141F +77P 83%R 4/2023  
PTA +1130NM +.19%F +.03%P  
PTA +3.1PL 2.96SCS -3.6DPR2.7%DCE  
PTA +1.54T +1.54UDC +.30FLC 81%R 4/2023

Protein reported is true protein.

006171790

50914034

5/23/2023

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2112178 6/22



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## DNA GENOTYPE CERTIFICATE

**NAME:** 840003260814961 M T-SPRUCE JIMBEAM-ET  
**DOB:** 10/11/2022 M23136210

**SIRE:** 840 3219742983 LARS-ACRES GEORGE MILLER-ET  
**DAM:** 840 3220248114 T-SPRUCE CONWAY 16106-ET

**BM1818** 264/266  
**BM1824** 178/180  
**BM2113** 127/139  
**CYP21** 187/198  
**ETH10** 223/225  
**ETH225** 150/150  
**ETH3** 117/129  
**INRA023** 206/214  
**RM067** 92 /92  
**SPS115** 248/248  
**TGLA126** 117/121  
**TGLA122** 149/171  
**TGLA227** 89 /91  
**TGLA53** 154/158  
**MGTG4B** 135/149  
**SPS113** 151/153

**Parentage Status:** Sire and Dam Qualify

**Date Tested:** 06/21/2023  
**Date Issued:** 06/21/2023

The allele sizes reported have been adjusted to animal #1 of the 1995 USA/CS-ISAG comparison test.



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## 99% Registered Holstein Ancestry (RHA-I)

**MERCEDES LIONEL LASS-ET**  
840003205638743 99%RHA-I

P9 19K GTPI 81%R  
+3055 G

04/29/2019 13278  
FEMALE

PTA	+2137M	+137F	+75P	82%R 12/2022
PTA	+1096NM	+1.18%F	+0.03%P	
PTA	+3.1PL	2.97SCS	-3.7DPR	2.7%DCE
PTA	+1.62T	+1.54UDC	+0.44FLC	81%R 12/2022
PTA	+356FE	-2.1FI	1.8%SCE	

A2/A2 AA 75K GTPI 99%R  
**MELARRY JOSUPER FRAZZLED-ET** +2546 G  
 USA 74261651 99%RHA-I TR TP TC TY TV TL  
 GM 8/20 04/10/2015

PTA	+1448M	+64F	+36P	99%R 12/2022
PTA	+729NM	+0.03%F	-0.03%P	73%US
PTA	+6.0PL	2.50SCS	-3.2DPR	2.9%DCE
PTA	-0.06T	+0.78UDC	-0.95FLC	99%R 12/2022

AA 55K GTPI 87%R  
**NO-FLA MONTROSS 42446-ET** +2701 G  
 840003132344381 96%RHA-NA TR TP TL TD  
 10/31/2015

PTA	+2248M	+93F	+62P	87%R 12/2022
PTA	+706NM	+0.02%F	-0.03%P	
PTA	+1.5PL	2.91SCS	-2.7DPR	2.3%DCE
PTA	+0.85T	+1.03UDC	+0.05FLC	85%R 12/2022

A2/A2 AA P9 75K GTPI 98%R  
**MR T-SPRUCE FRAZZ LIONEL-ET** +3132 G  
 840003142490309 98%RHA-I TR TP TC TY TV  
 GM 12/22 05/22/2017

PTA	+3565M	+155F	+99P	99%R 12/2022
PTA	+1257NM	+0.06%F	-0.04%P	100%US
PTA	+3.4PL	2.83SCS	-4.7DPR	3.1%DCE
PTA	+0.60T	+0.81UDC	-0.62FLC	98%R 12/2022
PTA	+428FE	-2.6FI	2.1%SCE	

13K GTPI 93%R  
**ENDCO YODER L7933 9839-ET** +2639 G  
 840003125945361 100%RHA-NA  
 6-00 86 VVV+V 07/17/2015

PTA	+89M	+70F	+35P	94%R 12/2022
PTA	+688NM	+0.24%F	+0.11%P	
PTA	+3.4PL	3.05SCS	-0.3DPR	2.7%DCE
PTA	+1.28T	+1.36UDC	+0.49FLC	92%R 12/2022
PTA	+188FE	+0.1FI	2.0%SCE	

	AGE	X	DAYS	MILK	DCRM	%	FAT	%	PRT	DCRC
*	1-10	3	305	26390	93	4.3	1122	3.3	878	82
***	4-05	3	305	29150	99	4.4	1291	3.6	1052	88
			319	30150	99	4.4	1341	3.6	1093	88
***	5-05	3	305	31970	102	4.5	1435	3.6	1151	91
			350	34320	102	4.5	1560	3.7	1255	91
***	6-07	3	296	29380	102	4.4	1305	3.4	1013	90
LIFE			1713	144860		4.6	6679	3.7	5328	

	AGE	X	DAYS	MILK	DCRM	%	FAT	%	PRT	DCRC
*	4-03	3	305	17810	102	4.1	739	3.1	552	89
			349	20940	102	4.0	837	3.0	624	89
***	5-06	3	155	19570		3.4	663	2.8	556	

A2/A2 AB 49K GTPI 99%R  
**WOODCREST MOGUL YODER-ET** +2577 G  
 USA 72254526 100%RHA-NA TR TP TC TY TV  
 4-05 90 EVEV GM 12/19 01/05/2013

PTA	+432M	+76F	+30P	99%R 12/2022
PTA	+638NM	+0.21%F	+0.06%P	98%US
PTA	+2.5PL	3.07SCS	-1.0DPR	1.8%DCE
PTA	+0.61T	+1.27UDC	+0.23FLC	99%R 12/2022

9K GTPI 87%R  
**T-SPRUCE LGOLD 7933-ET** +2323 G  
 USA 72737988 100%RHA-NA  
 2-07 81 ++G+G 01/03/2014

PTA	+338M	+39F	+37P	88%R 12/2022
PTA	+366NM	+0.09%F	+0.09%P	
PTA	+1.1PL	3.06SCS	-1.0DPR	2.9%DCE
PTA	+0.69T	+0.13UDC	-0.19FLC	86%R 12/2022

	AGE	X	DAYS	MILK	DCRM	%	FAT	%	PRT	DCRC
***	2-05	2	248	20320		4.4	904	3.4	687	



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## CERTIFICATE OF GENETIC RECESSIVES

**NAME: 840003260814961 M T-SPRUCE JIMBEAM-ET**  
**DOB: 10/11/2022 Herd Mgt #: 2724**

**SIRE: 840 3219742983 LARS-ACRES GEORGE MILLER-ET**  
**DAM: 840 3220248114 T-SPRUCE CONWAY 16106-ET**

**HCD - Holstein Cholesterol Deficiency**  
**TC - This animal tested free of HCD**

Recvd: 10/28/2022

**DUMPS - Deficiency of Monophosphate Synthase**  
**TD - This animal tested Free of DUMPS**

Recvd: 10/28/2022

**BLAD - Bovine Leukocyte Adhesion Deficiency**  
**TL - This animal tested Free of BLAD**

Recvd: 10/28/2022

**POLD - Polled**  
**TP - This animal tested Free of Polled**

Recvd: 10/28/2022

**CCL - Coat Color**  
**TR - This animal tested Free of Red**

Recvd: 10/28/2022

**CVM - Complex Vertebral Malformation**  
**TV - This animal tested Free of CVM**

Recvd: 06/06/2023

**BRSP - Brachyspina**  
**TY - This animal tested free of BRSP**

Recvd: 06/06/2023

Retouradres Postbus 454, 6800 AL Arnhem

To the competent breeders' Association

23 juni 2023

### *Certificate of freedom from cloning for breeding cattle*

*It is hereby confirmed that the animal listed is not the offspring of clones based on the first three generations (parents, grandparents and great-grandparents).*

<b>International ID</b>	<b>NLD Reg. Nr.</b>	<b>Name</b>	<b>Shortname</b>
HOL840M003260814961	US 3260814961	T-SPRUCE JIMBEAM-ET	JIMBEAM

Place: Arnhem, The Netherlands

Date: 23 juni 2023

Name in block letters:

J. Veldhuisen, CRV B.V.

